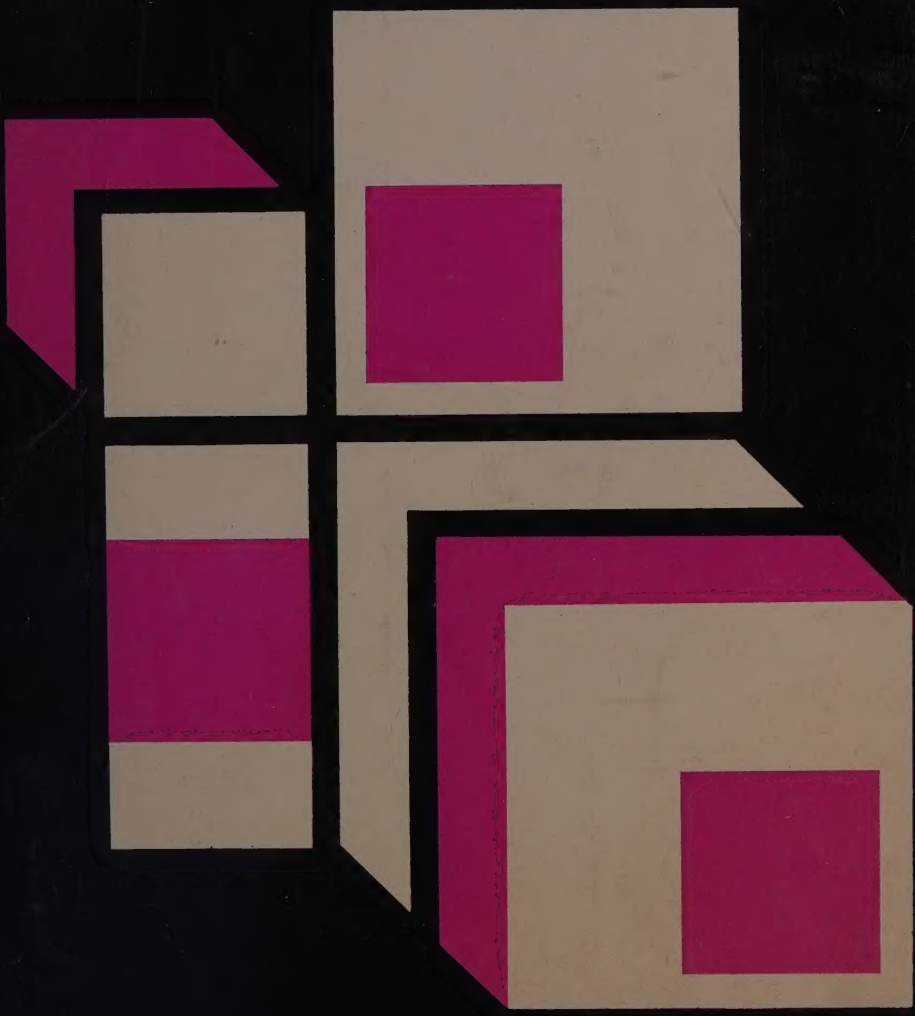
FAO PUBLICATIONS



bibliographic catalogue

1945 1972

Ref 7/E

BIBLIOGRAPHIC CATALOGUE OF FAO PUBLICATIONS

1945-1972

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
ROME 1973

note

Prices are shown in U.S. dollars and pounds sterling. They are subject to change without notice. Payment can be made in national currencies to FAO sales agents and booksellers who will establish sales prices in accordance with current book trade practice.

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about this catalogue

Contents and periodicity

This *Bibliographic Catalogue*, which is published in English, French and Spanish editions, lists all priced publications issued by FAO since 1945, as well as those in preparation on the date of issue of the catalogue, and also includes titles issued by other publishers by agreement with FAO.

The titles are arranged under the following broad headings: World food situation (basic information) – Agriculture – Economics and statistics – Fisheries – Forestry – Nutrition – Legislation – FAO official records and basic documents – Vocabularies, directories, bibliographies, catalogues – Periodicals and annuals. Under these main headings, titles are grouped by series or by subject fields.

Two alphabetical indexes – one by author and the other by subject and title – will be found at the end of the catalogue.

The next edition of this catalogue will cover the period 1945-1976.

Languages

The abbreviation(s) in brackets after each title indicates the language or languages in which the publications are issued, *viz.* Ar – Arabic, E – English, F – French, S – Spanish, E/F or E/S – English-French or English-Spanish in one volume, Tri. – Trilingual (English-French-Spanish).

Out of print titles

It is important to note that *titles no longer in stock* at FAO Headquarters and unlikely to be reprinted at the time of issue of this catalogue *are marked with an asterisk* (*) before the corresponding language symbol.

Where and how to order FAO publications

All titles included in this catalogue, unless marked with an asterisk (see "Out of print titles" above) or otherwise indicated, may be purchased through FAO sales agents and booksellers or, in countries where sales representation does not exist, from:

Distribution and Sales Section
Food and Agriculture Organization
of the United Nations
Via delle Terme di Caracalla
00100 Rome, Italy

Free copies of this catalogue are available from FAO sales agents and booksellers or directly from the FAO Distribution and Sales Section.

For readers interested in currently available priced titles, whether published directly by FAO or by other publishers by agreement with FAO, a *Books in Print* is issued annually in Arabic, English, French and Spanish editions. Free copies of the latest edition of *Books in Print* may be obtained from FAO sales agents and booksellers or from the FAO Distribution and Sales Section, Rome, Italy.

In addition, the FAO Documentation Centre produces a monthly *FAO Documentation – Current Bibliography* which covers all FAO publications and most unpriced technical documents, and has also produced a series of retrospective Special Indexes by subject-matter fields which contain bibliographical references to more than 40 000 FAO publications and documents issued since 1945. Inquiries concerning the Current Bibliography (free of charge), the Special Indexes (U.S.$1.00 per 100 pages or fraction thereof), and microfiche reproductions of out-of-print publications and documents (available against charge) should be addressed to:

FAO Documentation Centre
Food and Agriculture Organization
of the United Nations
Via delle Terme di Caracalla
00100 Rome, Italy

fao publications

Initiated by the first Conference on Food and Agriculture, which met at Hot Springs, Virginia (U.S.A.) in 1943, the Food and Agriculture Organization of the United Nations was formally created at Quebec, Canada, in 1945, with temporary headquarters in Washington, D.C. Six years later, in 1951, the Organization moved into its present permanent headquarters in Rome, Italy.

FAO publications are directed principally to technicians, economists and administrators interested in the broad field of human activity which the FAO programme embraces: agriculture, economics, fisheries, forestry, nutrition, etc. Periodicals such as the *Monthly Bulletin of Agricultural Economics and Statistics*, *Cocoa Statistics*, *Unasylva*, *World Animal Review*, *Food and Agricultural Legislation*, the *FAO Plant Protection Bulletin*, and the statistical yearbooks of agricultural, fisheries and forestry products, all constitute a world intelligence service on production, prices and trade that covers almost every commodity used to feed, clothe and house people throughout the world. A major annual publication, *The State of Food and Agriculture*, describes the state and outlook of world agriculture for the information of Member Governments and of the general public.

The bimonthly illustrated magazine *Ceres* is an information journal devoted to the multiple aspects of agricultural, economic and social development of the third world as well as the work of FAO, with the dual aim of providing a forum for opinion and an information medium. It contains interpretative articles written by well-known personalities; informative, factual studies of the development process encompassing all the problems of food and agriculture (technology, agro-industry, sociology, trade, etc.); coverage of field projects carried out by FAO.

Technical monographs reflect other aspects of the efforts of the Organization to supply, through technical information, efficient tools to increase world agricultural production and raise the standard of living and, although they represent only a part of the flow of documentation by which FAO serves its Member Governments, they are generally available to help a wide public keep informed about new techniques and practices. These technical monographs, like most of the publications listed in this catalogue, are the result of extensive cooperation between governments and experts the world over.

Official records related to the structure, the functioning and the work of FAO are also included in this catalogue.

contents

World food situation - basic information 1

PERIODICALS AND ANNUALS 1
Ceres, FAO review on development 1
The state of food and agriculture 1

MONOGRAPHS, MEETING REPORTS 3

SERIES 6
World Food Problems 6
World Food Program Studies 8
Freedom from Hunger Campaign Basic Studies 9

Agriculture 13

PERIODICALS AND ANNUALS 13
FAO plant protection bulletin 13
World animal review 13
Animal health yearbook 13

MONOGRAPHS, MANUALS, MEETING REPORTS, GLOSSARIES, BIBLIOGRAPHIES, MAPS 14

JOINT FAO/IAEA PUBLICATIONS 23

SERIES 29
FAO Atomic Energy Series 29
Better Farming Series 29
FAO Agricultural Studies 31
FAO Agricultural Development Papers 42

Economics and statistics 56

PERIODICALS AND ANNUALS 56
Monthly bulletin of agricultural economics and statistics 56
Cocoa statistics 56
Coconut situation 56
Production yearbook and trade yearbook 56

FAO commodity review 59
FAO commodity review and outlook 59
National grain policies 60
World grain trade statistics 61
Annual fertilizer review 64

MONOGRAPHS, MEETING REPORTS, MANUALS 64

SERIES 70
FAO Commodity Policy Studies 70
FAO Marketing Guides 73
Commodity Bulletin Series 74
Commodity Reports 79
Commodity Reports New Series 81
Commodity Reference Series 81

Fisheries 82

PERIODICALS AND ANNUALS 82
World fisheries abstracts 82
FAO fisheries bulletin 82
Aquatic sciences & fisheries abstracts 82
Yearbook of fishery statistics 83

MONOGRAPHS, MEETING REPORTS, MANUALS, GLOSSARIES 85

DOCUMENTATION OF THE FAO REGIONAL FISHERIES COUNCILS 89

SERIES 90
FAO Fisheries Studies 90
FAO Manuals in Fisheries Science 92

Forestry and forest industries 93

PERIODICALS AND ANNUALS 93
Unasylva 93
Timber statistics for Europe 93
Timber bulletin for Europe 93
Yearbook of forest products statistics 93
Yearbook of forest products 94

MONOGRAPHS, MEETING REPORTS, SURVEYS, MANUALS 95

SERIES 99
FAO Forestry and Forest Products Studies 99
FAO Forestry Development Papers 101

Nutrition 104

MONOGRAPHS AND MEETING REPORTS 104

SERIES 106
FAO Nutritional Studies 106
FAO Nutrition Meetings Report Series 110
FAO Food Additive Control Series 115
Codex Alimentarius Commission Series 116

Legislation 122

PERIODICALS 122
Food and agricultural legislation 122
Current food additives legislation 122
Annuaire international de législation agricole 122

SERIES 122
FAO Legislative Series 122

FAO official records and basic documents 124

Basic texts 124
Reports of FAO Conference 124
Reports of the Director-General to the Conference 126

Vocabularies, directories, bibliographies, catalogues 128

Author index 133

Subject and title index 137

PERIODICALS AND ANNUALS

Ceres: FAO review on development

Bimonthly, 1968 to date

One-year subscription	$ 6.00	£2.50
Two-year subscription	$11.00	£4.50
Three-year subscription	$15.00	£6.00
Single issue	$ 1.20	£0.50

Intended to interest readers concerned with development in the third world by reporting in depth on multiple aspects of agricultural, economic and social progress.

The state of food and agriculture (Ar [1] E F S)

The authoritative annual review of developments in the world food and agricultural situation, with a year-by-year report on the outlook for the future. Detailed studies on special subjects are also a feature. One of the most important of FAO's publications.

1947.	13 p. (*E *F)	$ 0.20	£0.50
1948.	216 p. (*E *F)	$ 2.00	£0.50
1949.	138 p. (*E)	$ 1.50	£0.37
1950.	81 p. (*E *F *S)	$ 1.00	£0.25
1951.	90 p. (*E *S)	$ 1.00	£0.25
1952.	126 p. (*E *F *S)	$ 1.00	£0.25
1953.	**Part 1. Review and outlook** 1953, 125 p. (*E)	$ 1.00	£0.25
	Part. 2. Longer term prospects 1954, 83 p. (*E)	$ 1.00	£0.25
1954.	157 p. (*E)	$ 1.50	£0.37
1955.	236 p. (*E *F)	$ 2.50	£0.63

[1] Published in Arabic from 1970 onward.

1956. 143 p. (*E) **$ 1.50** **£0.37**

Special chapters: *Some factors influencing the growth of international trade in agricultural products; World fisheries: general trends and outlook with examples from selected countries.*

1957. 172 p. (*F) **$ 2.00** **£0.50**

Special chapters: *Factors influencing the trend of food consumption; Postwar changes in some institutional factors affecting agriculture.*

1958. 222 p. **$ 2.50** **£0.63**

Special chapters: *Food and agricultural developments in Africa south of the Sahara; The growth of forest industries and their impact on the world's forests.*

1959. 197 p. (*E *F) **$ 2.00** **£0.50**

Special chapters: *Agricultural incomes and levels of living in countries at different stages of economic development; Some general problems of agricultural development in less-developed countries in the light of postwar experience.*

1960. 182 p. (*E) **$ 2.00** **£0.50**

Special chapter: *Programing for agricultural development.*

1961. 178 p. (*E *F *S) **$ 2.00** **£0.50**

Special chapters: *Land reform and institutional change; Agricultural extension, education and research in Africa, Asia and Latin America.*

1962. 198 p. (*E *F) **$ 2.00** **£0.50**

Special chapters: *The role of forest industries in the attack on economic underdevelopment; The livestock industry in less developed countries.*

1963. 227 p. **$ 3.00** **£0.75**

Special chapters: *Basic factors affecting the growth of productivity in agriculture; Fertilizer use: spearhead of agricultural development.*

1964. 240 p. (*E) **$ 6.00** **£1.50**

Special chapters: *Protein nutrition: needs and prospects; Synthetics and their effects on international trade.*

1965. 273 p. (*E *F *S) **$ 7.50** **£1.87**

Review of the second postwar decade

1966. 242 p. (*E) **$ 5.50** **£1.37**

Special chapters: *Agriculture and industrialization; Rice in the world food economy: situation and outlook in the International Rice Year 1966.*

1967. 202 p. (*E) Special chapters: *World review and outlook; Incentives and disincentives for farmers in developing countries; The management of fishery resources.*	$ 5.50	£1.37
1968. 205 p.; 1969, 2nd printing (*E) Special chapters: *Raising agricultural productivity in developing countries through technological improvement; Improved storage and its contribution to world food supplies.*	$ 5.75	£2.30
1969. 196 p. Special chapters: *Agricultural marketing improvement programmes: some lessons from recent experience; Modernization of institutions to promote development.*	$ 6.00	£2.40
1970. 274 p. Special chapter: *Agriculture at the threshold of the Second Development Decade.*	$ 7.50	£3.00
1971. 234 p. Special chapter: *Water pollution and its effects on living aquatic resources and fisheries.*	$10.00	£4.00
1972. 189 p. (*E) Special chapters: *Education and training for development; Accelerating agricultural research in the developing countries.*	$10.00	£4.00

MONOGRAPHS, MEETING REPORTS

Proposals for a World Food Board 1946, 12 p. (*E F S)	$ 0.15	£0.04
World food survey 1946, 39 p. (*E *F *S)	$ 0.35	£0.09
Proposals for a World Food Board and world food survey 1946, 12 + 39 p. (*E)	$ 0.25	£0.06
Report of the FAO Preparatory Commission on World Food Proposals, Washington, D.C., 28 October 1946 - 24 January 1947 1947, 84 p. (E F *S)	$ 0.75	£0.19
Second world food survey 1952, 59 p. (*E *F *S)	$ 0.50	£0.13

Third world food survey — $ 1.50 — £0.37

FFHC Basic Study No. 11
1963, 102 p. (E F S); 1964, 2nd printing (E)

European programs of agricultural reconstruction and development — $ 1.00 — £0.25

1948, 60 p. (*E *F)

National progress in food and agricultural programs, 1948 — $ 1.00 — £0.25

1948, 147 p. (*E *F *S)

Provisional Indicative World Plan for Agricultural Development: a synthesis and analysis of factors relevant to world, regional and agricultural development — $ 8.50 — £3.40

1970, 2 vols. (E F S)

This provisional report on agricultural production, trade and development is an analysis of the major issues which will be facing world agriculture in the 1970s and early 1980s and their effect on overall economic and social development.

Provisional Indicative World Plan for Agricultural Development: summary and main conclusions — $ 1.50 — £0.60

1970, 72 p. (E F S)

In many respects the conclusions of the study are optimistic. Given the adoption of the technical, institutional and economic measures proposed, the main problems of hunger and malnutrition could be overcome, trade flows improved and a substantial contribution made to providing additional employment.

Agricultural adjustment in developed countries — $ 4.00 — £1.60

1972, 204 p. (E F S)

Prepared by FAO in cooperation with the Economic Commission for Europe.
A study of the responses on the part of agriculture in high-income countries to rapid technological, social and economic change.

Food aid: a selective annotated bibliography on food utilization for economic development — $ 2.50 — £0.63

by Elizabeth Henderson. 1964, 203 p. (E F S)

Annotated bibliography of material dealing with all aspects of supply, disposal and utilization of surplus products.

Report on the World Food Program by the Executive Director — $ 1.00 — £0.25

1965, 100 p. (E F S)

The origin and growth of the Programme, its activities, and recommendations for the future.

So bold an aim: ten years of international co-operation toward freedom from want — **$ 1.50 £0.37** (clothbound)

1955, 174 p. (E *F S)

FAO's "tenth anniversary" book on the influences which contributed to its creation and which conditioned its activities during the first decade.

Millions still go hungry — **$ 0.50 £0.13**

1957, 102 p. (*E *F S); 1958, 2nd printing (*E); 1962, 3rd printing (*E)

A critical re-examination of some of the problems faced by FAO. Illustrated by detailed accounts of field projects.

Agriculture in the world economy — **$ 1.00 £0.25**

1962, 65 p. (*E F S)

Agriculture's development, resource use, production trends and proportion of world income as seen against the background of a growing population and inadequate living standards in many parts of the world. A revised edition of the booklet first published in 1955 and reprinted in English in 1957.

Growing food for a growing world — **$ 0.50 £0.13**

1954, 37 p. (*E *F *S)

The farm and the city — **$ 1.00 £0.25**

by L. Witt and M. Ezekiel. 1953, 45 p. (*E *S)

Report of the World Food Congress, Washington, D.C., 4 to 18 June 1963 — **$ 3.00 £0.75**

1963, 160 p. (E F S)

The First World Food Congress discussed the scope and limitations of national and international efforts against hunger.

Report of the World Food Congress, Washington, D.C., 4 to 18 June 1963. Vol. 2. Major addresses and speeches — **$ 3.50 £0.87**

1965, 115 p. (*E F S)

The full text of the addresses and speeches of the First World Food Congress.

Report of the Second World Food Congress, The Hague, Netherlands, 16-30 June 1970. Vol. 1 — **$ 2.50 £1.00**

1970, 141 p. (E F S); 1971, 2nd printing (E)

An account of the Second World Food Congress, the major themes which emerged from the discussions and the main lines on which follow-up action will be required.

Report of the Second World Food Congress, The Hague, Netherlands, 16-30 June 1970. Vol. 2 — **$ 3.00** — **£1.20**

1970, 199 p. (*E F S)

The proceedings of the commissions and panels of the Congress.

SERIES

WORLD FOOD PROBLEMS

A series of information pamphlets on world food and agricultural problems designed to meet the need for wider public understanding of the problems themselves and the attempts being made to solve them.

1. Nutrition and society — **$ 0.25** — **£0.13**

1956, 54 p. (*E F *S)

2. Man and hunger — **$ 0.50** — **£0.13**

1957, 77 p. (*E *F *S); 1959, 2nd edition (*E); 1961, revised edition (*E); 1962, 2nd printing (*E)

The food situation in different regions of the world, with suggestions for raising levels of nutrition.

3. Fish: the great potential food supply — **$ 0.50** — **£0.13**

by D.B. Finn. 1960, 47 p. (*E F *S)

The author demonstrates how the supply of fish from marine and fresh waters could be more than doubled.

4. Six billions to feed — **$ 0.50** — **£0.13**

1962, 41 p. (*E F S); 1963, 2nd printing (*E)

5. Protein: at the heart of the world food problem — **$ 1.25** — **£0.31**

1964, 62 p. (*E F S); 1967, 2nd printing (*E)

6. Rice: grain of life — **$ 1.50** — **£0.37**

1966, 93 p. (E F S); 1968, 2nd printing (E)

Rice is the staple food of approximately one half of the human race, and for hundreds of millions of people in Asia this single crop forms virtually the sole livelihood. But the rice economy is in the process of evolution and change; there has been a remarkable extension of cultivation in the western hemisphere, and the crop is of steadily growing importance in Africa. Main features of the world rice economy, as well as the situation and outlook in 1966, form the subject of this special booklet written plainly and clearly for all readers. It is a most suitable item for use by discussion groups, in schools, and in public forums.

7. The state of world fisheries — $ 0.80 — £0.32

1968, 49 p. (*E F S)

A case for the management of sea fisheries by regulating operations in order to maintain high yields.

8. Smaller farmlands can yield more: raising agricultural productivity by technological change — $ 1.25 — £0.50

1969, 49 p. (*E F S)

Discusses in detail all the elements that contribute to increased agricultural productivity.

9. Bigger crops and better storage: the role of storage in world food supplies — $ 1.00 — £0.40

1969, 49 p. (*E F S)

Deals with the complex role of storage in the food distribution chain, emphasizing the economic as well as the technical aspects.

10. Marketing: a dynamic force in agricultural development — $ 1.25 — £0.50

1970, 40 p. (*E F S)

The role of agricultural marketing improvement programmes is closely examined and put into proper perspective.

11. A strategy for plenty: the Indicative World Plan for Agricultural Development — $ 1.50 — £0.60

1970, 63 p. (Ar E F S); 1970, 2nd printing (E)

12. Lives in peril: protein and the child — $ 1.00 — £0.40

1970, 52 p. (*E; F and S issued as documents)

Published by the FAO/WHO/UNICEF Protein Advisory Group, this booklet is designed to create awareness of the importance of protein in child nutrition.

13. World agriculture: the last quarter century — $ 1.50 — £0.60

1970, 42 p. (E F S)

A global review of agriculture since the war. Also covers technological progress and agricultural development policies.

14. Pollution: an international problem for fisheries — $ 1.50 — £0.60

1971, 85 p. (E F S)

Alerts governments and the general public to the increasing gravity of aquatic pollution, and the need for tackling the problem nationally and through joint action between countries.

WORLD FOOD PROGRAM STUDIES

The World Food Programme began operation on 1 January 1963 for an initial experimental three-year period.
By the end of 1965 the United Nations and FAO decided to continue it "for as long as multilateral food aid is found feasible and desirable." The Programme operates on the basis of voluntary contributions from Member Governments in commodities, cash and services.

1. The demand for food, and conditions governing food aid during development — **$ 1.00** **£0.25**

by V.M. Dandekar. 1965, 69 p. (E F S)

Reviews the food situation and prospects in developing countries and the considerations relative to the use of food aid during development.

2. The impact of food aid on donor and other food-exporting countries — **$ 1.00** **£0.25**

by G. R. Allen and R. G. Smethurst. 1965, 52 p. (E F S)

The authors' conclusions are that there will be increasing and accumulating surpluses in the foreseeable future.

3. The linking of food aid with other aid — **$ 1.00** **£0.25**

by S. Chakravarty and P.N. Rosenstein-Rodan. 1965, 39 p. (E F S)

Indicates the proper relationship between specific commodity aid and the nonspecific aid given in the form of freely spendable foreign exchange.

4. Operational and administrative problems of food aid — **$ 1.00** **£0.25**

by D. A. FitzGerald. 1965, 63 p. (E F S)

Explores some of the principal problems that have to be faced by a service managing a food aid programme and by a government receiving the aid.

5. The role of multilateral food aid programs — **$ 1.00** **£0.25**

by J. Dessau. 1965, 38 p. (E F S)

Considers ways of securing the maximum benefits from operating a multilateral programme as a complement to bilateral arrangements.

6. Food aid and education — **$ 1.00** **£0.25**

1965, 22 p. (E F S)

The question of supplying food to primary and secondary school pupils, universities, etc., with an analysis of the costs and benefits.

FREEDOM FROM HUNGER CAMPAIGN
BASIC STUDIES

A series of publications prepared especially to assist individuals and groups in studying the critical problem of hunger and its related social, economic and technical issues throughout the world. Useful, reliable background material for general discussions.

1. Weather and food — **Sw. Fr. 2.—**

by L. P. Smith. 1961, 80 p. (E F S)

Obtainable from the World Meteorological Organization, Geneva, Switzerland.
The application of the science of meteorology in agriculture and fisheries.

2. Development through food: a strategy for surplus utilization — **$ 1.50** **£0.37**

1962, 162 p. (*E F S); 1964, 2nd printing (*E)

3. Animal disease and human health — **$ 0.50** **£0.13**

by J. H. Steele. 1962, 50 p. (E F S); 1963, 2nd printing (E); 1966, 3rd printing (E)

A description of the most important animal diseases and of measures for their control and eradication.

4. Marketing: its role in increasing productivity — **$ 1.50** **£0.37**

by J. C. Abbott. 1962, 116 p. (*E F S); 1964, 2nd printing (*E); 1967, 3rd printing (*E)

Methods of improving marketing in developing countries.

5. Nutrition and working efficiency — **$ 0.50** **£0.13**

1962, 47 p. (E F *S); 1963, 2nd printing (E); 1966, 3rd printing (E)

The influence of diet on the capacity for work and practical measures for improving food consumption.

6. Education and training in nutrition — **$ 0.50** **£0.13**

1962, 56 p. (*E F S); 1963, 2nd printing (*E); 1967, 3rd printing (*E)

Education in nutrition is necessary to assure the best use of food supplies and so achieve real freedom from hunger.

7. Population and food supply — **$ 0.50 or Sw. Fr. 2.—**

1962, 49 p. (E S)

Obtainable from the Office of Public Information, United Nations, New York.
Surveys population changes in various regions and their effect on the availability of world food supplies.

8. Aspects of economic development: the background to freedom from hunger — **$ 0.50 or Sw. Fr. 2.—**

1962, 84 p. (E F)

Obtainable from the Office of Public Information, United Nations, New York.
Presents in outline some of the main aspects of the economic development process, particularly as they impinge upon the work of United Nations organizations.

9. Increasing food production through education, research and extension — **$ 1.00** **£0.25**

by C. W. Chang. 1962, 78 p. (E F S); 1965, 2nd printing (E)

Agricultural education, research and extension are three of the services essential for the development of resources.

10. Possibilities of increasing world food production — **$ 2.50** **£0.63**

by W. H. Pawley. 1963, 231 p. (*E F S); 1964, 2nd printing (*E); 1967, 3rd printing (*E)

An assessment of the capacity of the resources of land and climate at the disposal of man in the present stage of his technological knowledge.

11. Third world food survey — **$ 1.50** **£0.37**

1963, 102 p. (E F *S); 1964, 2nd printing (E)

Demonstrates that world food consumption has improved, but almost half the world's population is still hungry.

12. Malnutrition and disease: a major problem of the human race — **$ 0.60 or Sw. Fr. 2.—**

1963, 47 p., tables and figures (E F S)

Obtainable from the World Health Organization, Geneva.
Briefly relates the story of hunger and malnutrition and their effects.

13. National development efforts — **$ 0.75**

1963, 67 p., tables (E)

Obtainable from the Office of Public Information, United Nations, New York.
Development in its context of planning, increasing production, problems of imbalance.

14. Hunger and social policy — **$ 0.50** **£0.13**

1963, 66 p. (*E)

Obtainable from Distribution and Sales Section, FAO, Rome; prepared by the International Labour Organisation, Geneva.
The problem of devising social policies adapted to the needs of developing countries and of harmonizing these policies with economic programmes.

15. Education and agricultural development — $ 0.75 — £0.23

1963, 62 p., tables (E F S)

Obtainable from Unesco, Paris.
Food production can be expected to increase with more intensive instruction in the agricultural sciences.

16. Wood: world trends and prospects — $ 2.50 — £0.63

1967, 131 p. (E F S)

A survey of the situation, problems and prospects for wood and the wood-using industries over the period 1950-75.

17. Agriculture and industrialization — $ 1.50 — £0.37

1967, 129 p. (E F S)

A study on the mutual dependence of agriculture and industry.

18. Agrarian reconstruction — $ 1.25 — £0.50

by Erich H. Jacoby. 1968, 82 p. (E F S)

Deals with problems of agrarian reconstruction: land redistribution, tenure legislation, ceiling and floor operations, land consolidation, settlement.

19. Fisheries in the food economy — $ 1.25 — £0.50

1968, 79 p. (E F S)

Fisheries in the world economy and in nutrition, trends in fish production, utilization and trade, future supply and demand, etc.

20. Forests, food and people — $ 1.00 — £0.40

by H. Beresford-Peirse. 1968, 53 p. (E F S)

Provides an understanding of the close relationship between forests and farming, dealing with the indispensability of forestry products and the importance of forests for wildlife.

21. Toward a strategy for agricultural development — $ 1.00 — £0.40

1969, 66 p. (E F S); 1971, 2nd printing (E)

Papers analysing the five Areas of Concentration — High-yielding varieties of basic food crops; Filling the protein gap; War on waste; Mobilization of human resources for rural development; Earning and saving foreign exchange.

22. Nuclear techniques for increased food production — $ 1.25 — £0.50

1969, 76 p. (E F S)

Study of a variety of nuclear techniques and their application to the genetic improvement of crops, animal nutrition, fertilizer research, combating of insects, etc.

23. Agricultural development: a review of FAO's field activities **$ 2.50** **£1.00**

1970, 194, p. (E F S)

A searching evaluation of FAO's network of field operations with a view to improving formulation and quality of projects, coordination between United Nations aid-giving agencies, and also between these agencies and bilateral aid. Stresses the importance of investment capital on the completion of projects.

24. Conquest of deficiency diseases: achievements and prospects **$ 3.00** **£0.90**

by W. R. Aykroyd. 1970, 98 p. (E F S)

Obtainable from the World Health Organization, Geneva.
Considers diseases caused by food unbalanced in respect of nutrients, the progress toward elimination of some of them, and lines of future preventive action.

PERIODICALS AND ANNUALS

FAO plant protection bulletin

Bimonthly. (E F S) From October 1952 to December 1961, monthly

Single issue	$ 1.00	£0.40
Annual subscription	$ 5.00	£2.00

Reports on incidence and spread of plant diseases and pests, quarantine measures adopted and major operations for prevention and control.

World animal review

Quarterly. (E F S)

Single issue	$ 1.00	£0.40
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by R. M. Hagan, C. E. Houston and S. V. Allison. 1968, 53 p. (*E F S)

A booklet to assist administrators and planners to discharge more effectively their roles in the development of irrigated agriculture.

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[1] On sale from Commonwealth Agricultural Bureaux, Farnham House, Farnham Royal, Nr Slough, Bucks., England.
[2] Spanish edition issued by Ed. Acriba, ap. 466 Royo 23, Zaragoza, Spain.

Catalogue of maps — $ 2.50 — £0.63

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Soil map of the world. 1:5 000 000. Vol. 4. South America — $32.00 — £10.65

Text, 1971, 193 p. (E S)
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On sale from Unesco, Paris.
The main chapters treat environmental conditions and the use of soils and land.

Multilingual vocabulary of soil science — $ 4.00 — £1.00

by G. V. Jacks. 1954, 439 p.; 1955, 2nd printing (out of print)

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by G. V. Jacks, R. Tavernier and D.H. Boalch. 1960, 430 p.; 1966, 2nd printing; 1968, 3rd printing (out of print)

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Crop loss assessment methods: FAO manual on the evaluation and prevention of losses by pests, disease and weeds — £5.00

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Obtainable from the Commonwealth Agricultural Bureaux, Central Sales, Farnham Royal, Slough SL2 3BN, England.
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[3] A joint FAO/WHO/UNICEF publication. Also available in African countries through representatives of Longmans, Green and Co. Ltd.

Spare-time production for gain: a manual for the guidance of organizers — $ 0.50 — £0.13

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[4] English edition published by the United Nations, New York. French edition issued in *Notes et études documentaires* N° 3439-3440, novembre 1967, published by La Documentation française, 29-31 quai Voltaire, Paris 7e.
[5] A joint FAO WHO UNICEF publication. Also available in African countries through representatives of Longmans, Green and Co. Ltd.

The use of isotopes in soil organic matter studies. Report of the Technical Meeting organized by FAO and IAEA in co-operation with the International Soil Science Society, Brunswick-Völkenrode, 9-14 September 1963[6] **£10.00**

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Defines the problems of rice production, drying, storage and processing under varying conditions, and suggests economically viable means of increasing production through mechanization.

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[6] On sale from the publishers, Pergamon Press Ltd, Headington Hill Hall, Oxford, England.

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1964, 421 p. (E F S)

Papers presented at the Seminar, Scheveningen, The Netherlands, 11-15 December 1961. Sponsored jointly by FAO, WHO and IAEA.

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1966, 56 p. (E F S)

Report of a Joint FAO/IAEA/WHO Expert Committee, Rome, 21-28 April 1964.

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A global review of the adaptation, management, improvement and utilization of cultivated grasses in dryland and irrigated agriculture, based upon information supplied by technicians in all parts of the world, either directly or through FAO National Committees and Ministries of Agriculture, upon the more recent literature and the personal experience of the authors.

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by V. Ignatieff and H. J. Page. 1958, 356 p. (*E *F S); 1960, 2nd printing (*E); 1962, 3rd printing (*E); 1966, 4th printing (*E); 1968, 5th printing (*E)

A new version (not merely a revision) of Agricultural Study No. 9, first published in 1949. Contains information on plant nutrients, physical and economic factors affecting application of fertilizers, and modern concepts of the use of fertilizers in crop production. Based on the pooled knowledge and experience of 96 soil and crop specialists working in 34 countries. An especially valuable study for agricultural planners, extension workers, farmers and students.

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A summary of the extent of knowledge of the grass cover of Africa. Included with substantial text is a ten-colour 1:10 000 000 map in separate folder of Africa's grass cover. Excellent for use as a guide not only in the field of range or grassland management but also in the wider reaches of land use generally.

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1960, 55 p. (*E *F *S)

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by G. Barbero. 1961, 199 p., figures, tables (*E F *S)

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74. Joint FAO/WHO Expert Committee on Zoonoses. Third report — **$ 1.75** — **£0.50**

1967, 127 p. (*E F S)

Report of the Joint FAO/WHO Expert Committee on Zoonoses, Geneva, 6-12 December 1966.

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An account of the principal species of pests of the coconut palm, their economic importances, damage caused, and control measures.

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ar R. Tentoni, M. Pastore et G. Ottogalli. 1970, 53 p. (F S)[7]

esults of studies on hydrogen peroxide addition to fresh milk for its od preservation, with special reference to microbiological quality.

3. Joint FAO/WHO Expert Committee on Milk Hygiene. Third port — $ 1.25 — £0.40

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4. Pesticide residues in food: report of the 1969 Joint Meeting of e FAO Working Party of Experts on Pesticide Residues and the HO Expert Group on Pesticide Residues, Rome, 8-15 December 69 — $ 1.00 — £0.40

70, 43 p. (*E F S)

iterates the warning that certain pesticides must be used with care avoid hazard to man and the environment.

5. Joint FAO/WHO Expert Committee on Brucellosis. Fifth report, eneva, 29 June-6 July 1970 — $ 1.25 — £0.40

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e Committee reviewed the results of research carried out since its it meeting and strongly urges the adoption of uniform diagnostic andards.

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J. R. Hudson. 1971, 120 p. (E F S)

detailed study of a disease which is a menace to cattle in a belt across ntral Africa.

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[7] English version published by the Italian authorities in *Annali di micro-logia ed enzimologia*, Vol. 18, Fasc. 3, 4, 1968.

87. Pesticide residues in food: report of the 1970 Joint Meeting of the FAO Working Party of Experts on Pesticide Residues and the WHO Expert Committee on Pesticide Residues, Rome, 9-16 November 1970 — **$ 1.00** **£0.30**

1971, 44 p. (E F S)

Information on accepted daily intakes established, the tolerances recommended, and methods of analysis suggested, for the various pesticides considered.

88. Pesticide residues in food: report of the 1971 Joint Meeting of the FAO Working Party of Experts on Pesticide Residues and the WHO Expert Committee on Pesticide Residues, Geneva, 22-29 November 1971 — **$ 1.00** **£0.40**

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Payment for milk according to quality criteria ensures standards of composition and hygiene for raw milk. A study of quality payment schemes intended for countries developing their milk industries.

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5. Essential considerations in mechanization of farming — **$ 0.25** **£0.06**

by A. S. Gordon. 1950, 11 p. (*E F *S)

6. Improving livestock under tropical and subtropical conditions — $ 0.50 — £0.13

1950, 55 p. (*E *F)

Report of an FAO meeting held at Lucknow, 13-22 February 1950.

7. Results of co-operative hybrid maize tests in Europe, 1949: a progress report — $ 0.50 — £0.13

1950, 33 p. (*E *F)

Records the background of the hybrid maize tests which were first carried out in 1948 and gives the performance records for 1949.

8. Report of the inter-American Meeting on Livestock Production — $ 0.50 — £0.13

1950, 100 p. (*E *S)

Report of the meeting convened jointly by FAO and the Inter-American Institute of Agricultural Sciences, Turrialba, Costa Rica, 9-20 October 1950.

9. Land settlement for agriculture — $ 0.50 — £0.13

by Sir Bernard O. Binns. 1951, 34 p. (*E F *S)

This paper attempts to outline the process of agricultural settlement and resettlement and to describe the various considerations and difficulties which may arise in connexion with these operations.

10. Equipment for cleaning and grading grains and seeds — $ 0.25 — £0.06

by L. R. Ray and E. Beekman. 1951, 14 p. (*E *F *S)

11. Report of the first Meeting of the International Rice Commission's Working Party on Fertilizers, Bogor, Indonesia, April 1951 — $ 0.25 — £0.06

1951, 18 p. (*E *F)

The Working Party on Fertilizers complements the work of the Rice Breeders' Working Party in the International Rice Commission (FAO).

12. Equipment for the processing of tea — $ 0.25 — £0.06

by L. R. Ray and E. Beekman. 1951, 12 p., illustrations (*E F)

Includes descriptions and illustrations of machines and associated equipment used in the processing of tea. Methods and procedures are indicated in broad outline only.

13. Equipment for the tanning of hides and skins — $ 0.25 — £0.06

by L. R. Ray and E. Beekman. 1951, 18 p., illustrations (E *F *S)

Methods and procedures for tanning hides and skins are indicated in broad outline only, as a means of showing where each machine or piece of equipment is used in the process. Illustrated.

14. Report of the second Meeting of the International Rice Commission's Working Party on Rice Breeding, Bogor, Indonesia, April 1951 **$ 0.50** **£0.13**

1951, 82 p. (*E F)

Includes technical papers on pests and diseases and schemes for the production and distribution of high-quality seed of improved varieties. (The Report of the first Meeting of the Working Party on Rice Breeding was published as Annex A to the Report of the second session of the International Rice Commission, Rangoon.)

15. Use of the revolving capital plan by co-operative associations **$ 0.25** **£0.06**

by H. J. Louwes. 1951, 10 p. (*E *F *S)

16. Agricultural credit for small farmers **$ 0.25** **£0.06**

by Sir Bernard O. Binns. 1952, 12 p. (*E *F *S)

Primarily concerned with practical and administrative matters, this paper is based on the writer's experience in Burma, 1937-45.

17. Land utilization in tropical areas **$ 0.25** **£0.06**

by A. B. Lewis. 1952, 10 p. (*E *F *S)

Report of an FAO Regional Meeting at Nuwara Eliya, Ceylon, 17-29 September 1951.

18. Land classification for agricultural development **$ 0.50** **£0.13**

by A. B. Lewis. 1952, 37 p. (*E *F *S)

Briefly describes several types of land classification which are needed as a foundation for national agricultural development.

19. Community organization for irrigation in the United States **$ 0.50** **£0.13**

by F. Adams. 1953, 39 p. (*E *F S)

The success of irrigation projects depends to a large degree upon the users of the water having their own organization. This short paper outlines and discusses the various forms of organization which have been developed in the western states of the United States of America to deal with this problem.

20. Farm management investigations for agricultural improvement **$ 0.50** **£0.13**

by W. Y. Yang. 1952, 36 p. (*E *F *S)

Issued mainly for the benefit of nontechnicians interested in and concerned with agricultural improvement.

21. Some aspects of surface water development in arid regions **$ 0.50** **£0.13**

by A. De Vajda. 1952, 45 p. (*E *F *S)

An outline of the techniques of utilization of natural flow without storage by retarding surface runoff by drainage and by the storage of flood water.

. **Water laws in Italy** $ 0.25 £0.06

D. A. Caponera. 1953, 28 p. (*E)

ly's legislation in this particular field has been chosen because of its g irrigation history, its background of Roman law and customs which ve been instrumental in shaping the laws of many modern countries, d because Italy possesses a simple and complete system of water vs.

. **Digest of plant quarantine regulations** $ 2.00 £0.50

Lee Ling. 1952, 164 p. (*E F S)

gest of plant quarantine regulations: Supplement 1 $ 1.00 £0.25

Lee Ling. 1954, 100 p., mimeographed (*E)

gest of quarantine regulations: Supplement 2 $ 0.50 £0.13

L. J. Dumbleton. 1956, 20 p., mimeographed (*E F)

. **FAO advisory assistance to member countries under the UNRRA ansfer Fund** $ 0.50 £0.13

R. W. Phillips, T. F. Peebles, W. H. Cummings and L. Passerini. 53, 54 p. (E F S)

. **Equipment for the ginning of cotton** $ 0.50 £0.13

A. Aten, A. D. Faunce and L. R. Ray. 1953, 48 p., illustrations E *S)

. **Equipment for the processing of long vegetable fibers** $ 0.50 £0.13

A. Aten, A. D. Faunce and L. R. Ray. 1953, 57 p., illustrations E *F *S)

eals only with the more important leaf and bast fibres: sisal, cantala, ix, hemp, jute, kenaf and ramie. Discusses the essentials of processing ethods and techniques and describes and illustrates machines.

. **Equipment for the processing of rice** $ 0.50 £0.13

A. Aten, A. D. Faunce and L. R. Ray. 1953, 55 p., illustrations E *F *S)

escribes the fundamental operations in rice milling. Methods and ocedures for the processing of rice are indicated in broad outline only a means of showing where each machine or piece of equipment is ed in the process. Illustrated.

. **Cereal breeding procedures** $ 1.25 £0.33

J. B. Harrington. 1952, 122 p. (E *F *S); 1970, 2nd printing S)

his short handbook by Professor J. B. Harrington of the University Saskatchewan deals with the practical operations of a breeding pro- ramme for wheat, rice and other small grains.

29. Organization of agricultural research in Europe $ 0.50 £0.13

by R. W. Phillips, I. Moskovits and F. F. Lininger. 1955, 66 p. (*E *F *S)

Based on a survey of the organization of agricultural research in European countries and on a discussion of the problems of research organizations in which most of the European member countries of FAO participated.

30. Report of the third Meeting of the International Rice Commission's Working Party on Rice Breeding, Bandung, Indonesia, May 1952 $ 0.50 £0.1

1953, 48 p. (*E F)

31. Co-operative hybrid maize tests in European and Mediterranean countries, 1950 $ 0.50 £0.1

1952, 43 p., map, numerous charts (*E F)

32. Small farm implements $ 0.75 £0.1

by H. J. Hopfen and E. Biesalski. 1953, 79 p., illustrations (*E *F *S

Describes principles governing the design of small farm implements on the basis of useful, simple hand tools and a very restricted selection of animal-drawn implements.

33. Report of the second Inter-American Meeting on Livestock Production $ 1.50 £0.

1953, 138 p. (*E *S)

34. Co-operative thrift, credit and marketing in economically underdeveloped countries $ 0.50 £0.

1953, 63 p. (*E *F S); 1954, 2nd printing (*E); 1956, 3rd printing (*E); 1959, 4th printing (*E); 1961, 5th printing (*E); 1965, 6th printing (*E)

For readers already acquainted with elementary aspects of agricultural cooperative associations, this paper is designed to serve agricultural leaders interested in developing cooperative organizations for thrift, credit and marketing. One of FAO's most successful publications in this field.

35. Co-operative hybrid maize tests in European and Mediterranean countries, 1951 $ 1.50 £0.

1953, 145 p., tables (E F)

36. Report of the Meeting on Fertilizer Production, Distribution and Utilization in Latin America, Rio de Janeiro, Brazil, 4-12 December 1951 $ 0.50 £0.

1953, 52 p. (E *S)

46. Report of the fifth Meeting of the International Rice Commission's Working Party on Rice Breeding, Tokyo, October 1954 — $ 0.50 — £0.13

1954, 58 p. (*E F)

47. Manual of supervised agricultural credit in Latin America — $ 0.50 — £0.13

by D. B. Brossard. 1955, 55 p. (*E *S)

This manual results from the experiences of three national and international agencies in organizing and carrying out supervised agricultural credit programmes in Latin American countries. An excellent guide for government experts interested in developing similar programmes in their own countries.

48. Report of the fourth Meeting of the International Rice Commission's Working Party on Fertilizers, Tokyo, October 1954 — $ 0.50 — £0.13

1955, 48 p. (E F)

49. Flaying and curing of hides and skins as a rural industry — $ 1.50 — £0.37

by A. Aten, R. F. Innes and E. Knew. 1955, 136 p., glossary (*E F S); 1966, 2nd printing (*E)

Methods and processes of flaying and curing in rural areas, with emphasis on how improvements can be made. The paper is intended for instruction and guidance of rural craftsmen. Liberally illustrated with actual photographs.

50. Legislation of fertilizers in Latin America — $ 1.00 — £0.25

by E. S. Abensour and P. Moral-López. 1955, 87 p. (*E F *S)

51. Problems of animal feeding in Europe — $ 1.50 — £0.37

by E. T. Halnan, I. Moskovits and T. Threlkeld. 1955, 147 p., list of references (*E F *S)

Issued jointly by FAO and the European Association for Animal Production.

52. Fact-finding with rural people — $ 1.50 — £0.37

by Hsin-Pao Yang. 1955, 138 p., chart (E F S); 1957, 2nd printing (E); 1960, 3rd printing (E); 1962, 4th printing (E); 1966, 5th printing (E); 1971, 6th printing (E)

53. Co-operative marketing for agricultural producers — $ 1.00 — £0.40

by M. Digby and R. H. Gretton. 1955, 80 p. (*E *F S); 1957, 2nd printing (*E); 1962, 3rd printing (*E); 1965, 4th printing (*E); 1968, 5th printing (*E)

A description of the principles of marketing, how a cooperative is formed, what it does, and its financial requirements. For small farmers and for others who are in a position to give small farmers advice. Lists successful marketing methods for 16 different commodities, showing how each has been developed.

Processing of cassava and cassava products in rural industries — $ 1.50 — £0.37

L. W. J. Holleman and A. Aten. 1956, 115 p., illustrations (*E *S); 1966, 2nd printing (*E)

tlines for individual farmers and farmer cooperatives in rural areas the essentials of processing tapioca flour, including technical infor-ion and descriptions of machines and other accessory equipment may be used with advantage by individual farmers and farmer co-atives in rural areas.

Recent developments affecting livestock production in the Americas — $ 1.50 — £0.37

R. W. Phillips. 1956, 181 p. (*E S)

tains material presented to the third FAO Meeting on Livestock duction in the Americas, at Buenos Aires, from 18 to 30 April 1955, delegations from 18 countries. Reports of two earlier inter-American tings on livestock production were issued as Agricultural Develop-t Papers Nos. 8 and 33.

Las leyes de aguas en Sudamérica — $ 2.50

G. J. Cano y F. F. Vargas Galíndez. 1956, 242 p. (*S)

Pastures and fodder crops in rotations in Mediterranean agricul- — $ 0.50 — £0.13

. A. Oram. 1956, 49 p., tables (E *F *S)

Olive oil processing in rural mills — $ 1.00 — £0.25

. Frezzotti, M. Manni and A. Aten. 1956, 103 p., illustrations F S)

hods and processes, tools, implements and machinery in order to ess virgin olive oil are described in such a way that the material nted is useful for the rural factory manager, mill owner and heads e many cooperative organizations who possess oil mills.

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. A. Lethem. 1956, 67 p. (*E F *S)

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. Molenaar. 1956, 76 p. (*E *F *S)

ibes and illustrates the main types of devices used to raise water rigation in rice-growing countries, with information on construc-operation, performance, power and costs.

61. Co-operatives and land use — **$ 1.00** **£0.25**

by M. Digby. 1957, 115 p. (*E F *S); 1962, 2nd printing (*E); 1965, 3rd printing (*E)

Selecting 16 representative countries, this paper describes how cooperative agriculture evolved in each of them, what it was hoped to gain, and what actually happened. Among the countries selected are Canada, India, Israel, Italy, Pakistan, Sweden, United Kingdom, U.S.S.R., and the Eastern European area.

62. Hybrid maize breeding and seed production — **$ 4.50** **£1.13** (clothbound) **$ 4.00** **£1.00** (paperbound)

by R. W. Jugenheimer. 1958, 369 p. and 63 p. of references (E *F *S)

Methods of breeding and seed production for the layman, practical farmer and student, by one of the leading U.S. experts on this subject. Almost unknown 25 years ago, hybrid maize has already replaced open-pollinated maize in most of Europe's Mediterranean countries.

63. Copra processing in rural industries — **$ 1.50** **£0.37**

by A. Aten, M. Manni and F. C. Cooke. 1958, 122 p., figures (*E F *S)

Descriptions, drawings and photographs of equipment which can be, and is in fact, made locally in the most important copra-processing areas; equipment which is very often of simple design and construction. Careful consideration is given to technological methods suitable for processing copra of first quality.

64. Methods of farm management investigations — **$ 2.00** **£0.50**

by W. Y. Yang. 1958, 228 p., tables (*E *F *S); 1962, 2nd printing (*E)

Discusses farm book-keeping, business analysis, cost and enterprise studies, farm planning, budgeting and programming, work efficiency studies, estimating machinery costs. An excellent reference for extension workers, agriculture teachers, rural leaders and officers of farmers' organizations. It is a sequel to Agricultural Development Paper No. 20. Revised edition published as No. 80 in this series.

65. Irrigation by sprinkling — **$ 1.00** **£0.25**

by A. Molenaar. 1960, 90 p. (*E *F *S); 1962, 2nd printing (*E)

Explains the design and use of sprinkler systems as an aid in effecting better use and control of irrigation water. Comments and suggestions from 5 governments and more than 60 individuals and organizations are included.

66. Agricultural machinery workshops: design, equipment and management — **$ 1.00** **£0.25**

1960, 111 p., figures (E F *S)

Of primary interest to agricultural leaders and engineers responsible for planning and implementing land development and agricultural mechanization projects. Deals with machinery workshop location, design and management.

67. Farm implements for arid and tropical regions — $ 1.50 — £0.37

by H. J. Hopfen. 1960, 158 p., figures (*E *F *S); 1962, 2nd printing (*E)

A manual on hand- and animal-powered implements suitable for farms having sufficient manual labour but only light draught animals. It follows the same lines as Paper No. 32, but gives more details on dry farming tools, on rice-growing implements and those used for row crop planting in tropical rainfall areas. Illustrated.

68. Rural tanning techniques — $ 2.50 — £0.63

1960, 252 p., glossary, figures, selected bibliography (*E F *S); 1966, 2nd printing (*E)

This publication is designed especially for training purposes: a follow-up to Paper No. 49, describes and illustrates processes, tools and equipment for tanning animal hides. It is intended for rural tanners and for training courses in which FAO is involved. Some chapters are more suitable for the advanced rural tanner. As in Paper No. 49, a lengthy glossary of terms used in the tanning and leather trade is included.

69. Manual de prácticas cooperativas para el agro de América Latina — $ 2.00

por J. L. Tenembaum y J. St. Siegens. 1960, 157 p. (*S)

70. Meat handling in underdeveloped countries: slaughter and preservation — $ 2.00 — £0.50

by I. Mann. 1960, 200 p., figures, bibliography (*E F *S); 1963, 2nd printing (*E)

71. Soil erosion by wind and measures for its control on agricultural lands — $ 1.00 — £0.25

1960, 88 p., figures, bibliography (E *F S); 1963, 2nd printing (E); 1969, 3rd printing (E)

Describes control measures in North America and Australia, as well as those adaptable to less developed countries. Particular attention is devoted to the part that improved tillage and cultural practices play in control of erosion by wind in dry farming areas. Equipment for control of soil erosion is described and illustrated.

72. Dates: handling, processing and packing — $ 4.00 — £1.00

by V. H. W. Dowson and A. Aten. 1962, 392 p. (E F S)

This is perhaps the first single publication to describe in full the operations to which dates are subjected at various stages on the way from grower to wholesaler. It incorporates the results of extensive research, experience and observations on the subject and includes, in addition to more than 200 illustrations, graphs and tables, a large vocabulary in Arabic of names for every part of the palm and the date, for the different varieties, and for the date in each stage of its development. Intended as a handbook for workers concerned with date improvement, handling, processing and packing programmes.

73. Guide to methods and procedures of rural credit surveys **$ 1.50** **£0.37**

by T. S. Rao. 1962, 106 p., selected references (*E F S)

Schemes for rural credit surveys in specific countries and regions. The guide outlines implications of projects for conducting such surveys and emphasizes the essentials to be observed.

74. Training and extension in the co-operative movement **$ 1.00** **£0.40**

by A. F. Laidlaw. 1962, 78 p., figures (E F S); 1964, 2nd printing (E); 1966, 3rd printing (E); 1968, 4th printing (E); 1971, 5th printing (E)

Drawing upon specialist knowledge acquired in Canada, the author writes generally of his training and extension experience in India, concentrating on methods of teaching. An appendix reproduces examples of posters illustrating the advantages of a cooperative.

75. Processing and utilization of animal by-products **$ 3.00** **£0.75**

by I. Mann. 1962, 246 p. (E F S); 1967, 2nd printing (E)

This paper describes selected methods and processes as well inexpensive equipment for the rural industrial utilization of such animal by-products as blood, bones, hooves, horns, inedible meat, which do not have a particular value as hides and skins and therefore are often wasted. It supplements two other publications in this series, namely, No. 49 Flaying and curing of hides and skins as a rural industry *and No. 68* Rural tanning techniques.

76. Farm development in Japan **$ 1.00** **£0.25**

by W. Y. Yang. 1962, 76 p. (*E F S)

77. New approach to agricultural credit **$ 2.00** **£0.80**

1964, 93 p. (E F S); 1966, 2nd printing (E); 1971, 3rd printing (E)

Supervised credit combined with cooperatives and agricultural extension in implementing development programmes.

78. Methods and machines for tile and other tube drainage **$ 3.00** **£0.75**

by G. H. Theobald. 1963, 104 p., figures (E F S)

The purpose of this paper is to assist in the improvement of agricultural land by drainage and thus contribute to the most effective use of fertilizers, good seed and farming practices necessary to produce the maximum yield of food and other crops. A useful handbook for teaching drainage methods by hand and by machine.

79. Rural sociology in action **$ 1.00** **£0.40**

by A. K. Constandse and E. W. Hofstee. 1964, 64 p. (*E F S); 1968, 2nd printing (*E)

80. Methods of farm management investigations for improving farm productivity $ 3.50 £1.40

(Revised edition), by W. Y. Yang. 1965, 258 p., tables (*E *F *S); 1968, 2nd printing (*E); 1971, 3rd printing (*E)

A completely revised and reset edition of the successful work of the same title published in 1958 as Agricultural Development Paper No. 64, and reprinted in 1962. The new edition takes into account the experience gained in using the book as a guide to planning and conducting farm management research in both developed and developing countries. The author has included more examples from studies made in developing areas, more concrete descriptions of the procedures for making farm plans and budgets and has illustrated the use of linear programming techniques for cost minimization problems.

81. Soil erosion by water: some measures for its control on cultivated lands $ 4.00 £1.00

1965, 284 p. (*E F S)

This paper deals with a major cause of erosion and in particular with some measures of control that are feasible from an economic, social and agricultural production point of view. It should be of special interest to newly developing countries where heavy motorized equipment is not available for control measures. It discusses water erosion control in temperate and tropical conditions and thus complements Agricultural Development Paper No. 71 dealing with soil erosion by wind.

82. Poultry feeding in tropical and subtropical countries $ 1.50 £0.60

1965, 96 p. (E *F S); 1967, 2nd printing (E); 1971, 3rd printing (E)

Poultry meat and eggs are valuable sources of proteins, minerals and vitamins and thus poultry can make an important contribution to raising standards of nutrition. For this reason developing tropical and subtropical countries are endeavouring to modernize and intensify poultry production. This book aims at assisting such countries by providing expert information on the principles and practices to be followed in feeding poultry for most successful results. An important chapter summarizes the use made of locally produced feedstuffs in 39 countries of Africa, Asia, Latin America and the southwest Pacific.

83. Dark clay soils of tropical and subtropical regions $ 3.00 £0.75

1965, 161 p. (E F S)

The rapid growth of the world's population makes it necessary to study the use to agriculture of soils which have hitherto remained insufficiently used. By presenting a summary of knowledge on the nature and distribution of dark clay soils and on the means of improving their management and increasing their output, this monograph helps to provide a basis for their better utilization. The volume is intended for land planners, extension officers, administrators, farm management specialists and all others involved in the application of soil studies.

84. Equipment for rice production **$ 2.75** **£0.69**

by B. A. Stout. 1966, 169 p. (*E F S)

Descriptions, data and illustrations of equipment used for soil tillage, planting, application of fertilizers, weed control, spraying and dusting, harvesting, threshing, grain cleaning and drying, transportation. It includes information presented to the International Rice Commission Working Parties on Agricultural Engineering Aspects of Rice Production, Storage and Processing and material obtained from over 200 technical publications on rice production.

85. Multifarm use of agricultural machinery **$ 2.50** **£0.63**

by H. Lönnemark. 1967, 113 p. (E F S)

The paper deals with three main subjects: first, a short review on multifarm use of machinery in various parts of the world, followed by a chapter on government promotion of multifarm use, the problem involved and recommendations on the establishment and organization of hire services, and how they may be replaced when the time is ripe. Finally, there is a chapter on the costs of operating farm machinery, the various factors contributing to the costs, and how they are calculated.

86. Audio-visual aids for cooperative education and training **$ 2.00** **£0.80**

by C. N. Botham. 1967, 99 p. (E F *S); 1969, 2nd printing (E); 1972, 3rd printing (E)

Well-conceived visual or audio-visual aids often provide the most satisfactory method of communicating a new idea. Correctly used by a cooperative training officer, they make his work more effective, arouse new interest among his trainees, and may influence — even change — an attitude toward the subject. Such aids, in fact, have a real and significant part to play in the creation of ideal training situations.
This study has been prepared in response to requests from organizers and field personnel of a growing cooperative movement in the world, wherein educational and training programmes employing the use of audio-visual aids are urgently required. Chapters include guidance on the art of presentation, chalkboard work, preparation of wall charts, posters, graphs and films, methods of lettering and drawing, and the use of plastic models and mobiles. Application of tape-recorded messages and equipment for use in rural campaigns are also dealt with.

87. Manual para organización de cursillos sobre gerencia de cooperativas agrícolas **$ 1.25**

por O. Chaves Esquivel. 1968, 77 p. (S)

88. Sprinkler irrigation **$ 3.50** **£1.40**

by A. F. Pillsbury. 1968, 179 p. (E F S); 1972, 2nd printing (E)

This study reviews the use of sprinkler irrigation systems. It examines a wide range of such systems under various conditions and the many interacting factors that affect their performance. It also discusses in detail the design criteria of which the engineer should be aware in planning sprinkler irrigation systems. Special consideration has been given to the economic aspects, special uses, installation, operation and maintenance of sprinkler irrigation.

Coconut oil processing $ 3.00 £1.20

y J. G. Thieme. 1968, 251 p. (E F S)

manual which provides answers to many questions on methods of coconut oil processing and types of equipment. The layout of rural ills is also discussed.

). Handling and storage of food grains in tropical and subtropical eas $ 6.00 £2.40

y D. W. Hall. 1970, 350 p. (E F S)

ets out the causes of grain loss, deterioration and contamination, drying nd storing methods, storage facilities, and methods of fungus, insect nd rodent control.

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evised edition, by H. J. Hopfen. 1969, 159 p. (E F S)

escription of more important hand tools and animal-drawn equipment r regions where mechanization does not as yet pay for itself.

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riefly outlines some of the common tillage and seeding practices nor- ally associated with cereal grain production in low rainfall areas.

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O commodity review (E F S)

nmarizes developments in international commodity markets, pro-ing a detailed analysis of both situation and outlook for all major icultural commodities, including fishery and forest products. Data production, consumption, trade, stocks and prices of individual com-lities. Tables, figures, statistical appendixes. Mimeographed.

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This eighth issue of the bulletin covers policy measures in force during 1964/65 and/or 1965/66 in sixty-six countries. The statements cover all grains except rice (mainly wheat, maize, barley, oats, millet and sorghum).

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by R. D. Narain. 1955 (*E F *S)

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Covers questionnaire design, punch cards and machines, code construction and data processing productivity.

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by S. S. Zarkovich. 1965, 213 p. (E F S); 1969, 2nd printing (E)

This volume deals with the sample census, sampling methods in tabulation, adjustment of sample results, errors, and subsequent survey work.

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2. Survey of national measures for controlling farm prices in western European countries — $ 0.75 £0.19

by R. Cohen. 1953, 74 p. (*E F S)

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[1] A joint FAO/WHO/UNICEF publication. Also on sale in African countries through representatives of Longmans, Green and Co. Ltd.

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7. The stabilization of the international trade in rice: a report on possible measures — $ 1.00 — £0.25

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8. The international effects of national grain policies — $ 0.25 — £0.06

1955, 20 p. (E F *S)

Demonstrates that there are conflicts between domestic price policies, which makes a reconsideration of national price schemes desirable.

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Report on the olive oil economy, marketing, export policy and the establishment of an international olive oil fund.

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A general review with chronological notes and comments.

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Suggests possible ways of promoting the use of surplus foodstuffs to build adequate reserves in vulnerable countries.

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Deals with raising food consumption, levels of agriculture and general economic development by the use of surpluses in less developed areas.

16. International commodity arrangements and policies — $ 1.00 — £0.25

by G. Blau. 1964, 52 p. (Special Studies Program No. 1) (E F S)

Conclusions presented point to the strong need for a concerted attack on problems of international commodity trade and development.

17. Agricultural commodity trade and development; prospects, problems and policies: a reference paper — $ 1.50 — £0.37

by G. Blau and D. A. Music. 1964, 117 p. (Special Studies Program No. 2) (E F S)

Gives an analytical grouping of agricultural trade problems and policies and summarizes policy conclusions and guides to future possible action.

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A discussion of the measures affecting rice production and marketing, consumption, and foreign trade.

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by J. C. Abbott. 1958, 260 p. (E F S); 1961, 2nd printing (E); 1966, 3rd printing (E); 1973, 4th printing (E)

A work that offers a better understanding of marketing and a wider appreciation of its significance, indicating ways in which existing marketing practices may be improved.

Marketing fruit and vegetables — **$ 3.00** — **£1.20**

Second edition, revised. Prepared by J. C. Abbott. 1970, 181 p. [First edition published 1957] (*E F S)

Relating primarily to efficiency in marketing, the main purpose of this publication is to stimulate and aid programmes for the improvement of fruit and vegetable marketing.

Marketing livestock and meat — **$ 2.00** — **£0.50**

by R. F. Burdette and J. C. Abbott. 1960, 209 p., figures (*E *F *S); 1965, 2nd printing (*E)

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Marketing eggs and poultry — **$ 2.00** — **£0.50**

by G. F. Stewart and J. C. Abbott. 1961, 194 p. (E F S); 1965, 2nd printing (E); 1973, 3rd printing (E)

Reviews organization, methods and services of marketing, with detailed information on quality standards, handling methods, packing and container specifications. Most of the improvement measures discussed have been found effective in practice and specific examples are quoted.

5. Agricultural marketing boards: their establishment and operation — $ 3.50 — £0.87

by J. C. Abbott and H. C. Creupelandt. 1966, 236 p. (*E F S)

Provides practical advice on the conditions and goals for which a marketing board or similar organization is a useful mechanism, including pointers on how such an organization can be operated successfully. Chapters deal with advisory and promotional boards, regulatory boards, export and domestic monopoly trading, price stabilizing boards.

6. Rice marketing — $ 5.00 — £2.00

by J. C. Abbott, P. G. H. Barter, R. W. Kelly and G. R. Spinks, with a contribution by K. R. Ellinger. 1972, 189 p. (E F S)

The growing importance of rice as a food crop and an export commodity has led to this manual on improving methods of marketing at all stages. Beginning with the production aspects it deals with harvesting, threshing and drying, transport and storage, processing, and grading. The authors then proceed to the market mechanism; channels and costs, pricing, stabilization systems, sales methods, and the responsible role of government marketing services.

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[3] Available from *Fishing News* (*Books*) Ltd, 23 Rosemount Avenue, West Byfleet, Surrey, England.

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[6] Available from *Fishing News* (*Books*) Ltd, 23 Rosemount Avenue, West Byfleet, Surrey, England.

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by C. Hessle and S. Verständing. 1957, 94 p., map, plate (*E F *S)

Reports on organizations of Swedish fishermen and the system of regulating Swedish fish prices with a view to enabling fisheries administrators and fishermen in other countries to benefit from the experiences described.

5. Governmental services to the sea-fish industry of Great Britain — $ 1.25 — £0.31

by F. M. G. Willson. 1957, 127 p., map (E F *S)

6. Sea-fish marketing in the Federal Republic of Germany — $ 1.50 — £0.37

by Klaus-Hinrich Krohn and A. Alewell. 1957, 144 p., tables, graphs (E F *S)

7. Electrical fishing — $ 1.00 — £0.25

by P. F. Meyer-Waarden. 1957, 78 p., illustrations, graphs (E F *S); 1965, 2nd printing (E)

Handbook on the principles, application and importance of the technique of electrical fishing as applied to freshwater and sea fisheries. Includes a survey of various gears used and a description of methods employed in putting each of them into operation. Electrotechnical and electrophysiological factors are also covered.

8. The application of science to inland fisheries — $ 0.50 — £0.13

by E. D. Le Cren. 1958, 52 p. (*E F *S)

Considers the biological basis of fisheries and the limnological and ecological processes leading to the harvest of fish. Prospective integration of fish farming with land farming is studied.

9. Financial assistance schemes for the acquisition or improvement of fishing craft — $ 1.00 — £0.25

by C. Beever and K. Ruud. 1960, 110 p. (*E F *S)

10. Costs and earnings investigations of primary fishing enterprises — $ 0.75 — £0.19

by A. E. Ovenden. 1961, 60 p. (*E *F S)

The principal concepts, of the elements of primary fishing economies, with the definition of the terms commonly used in costs and earnings studies.

11. Financial assistance policies and administration for fisheries — $ 1.00 — £0.25

by E. S. Holliman. 1962, 121 p. (E F S)

The basic problems of organizing and administering fishery credit schemes in both developed and developing countries.

12. A handbook of mutual insurance systems for commercial fishing vessels and gear — $ 2.00 — £0.50

Edited by Chris A. Theodore. 1966, 117 p. (E F S)

Guidelines useful in the establishment of mutual insurance systems with special reference to those operating in Norway and Japan.

13. Manual of fishermen's cooperatives — $ 3.00 — £1.20

1971, 124 p. (E F S)

Deals with management problems of fishermen's cooperatives, specifically marketing and supply cooperatives.

FAO MANUALS IN FISHERIES SCIENCE

1. Manual of methods in fisheries biology — $ 5.00 — £1.20

Compiled by T. Laevastu. 1965, 10 fascicules (E F S) [7]

2. Manual of fisheries science

(Not issued)

3. Manual of sampling and statistical methods for fisheries biology. Part 1. Sampling methods — $ 2.00 — £0.80

by J. A. Gulland. 1966, 4 fascicules, foreword, bibliography (E F S); 1972, 2nd printing (E)

Chapters include random and stratified sampling, subsampling, sampling the catch and the population of the sea.

4. Manual of methods for fish stock assessment. Part 1. Fish population analysis — $ 5.00 — £2.00

by J. A. Gulland. 1969, 154 p. (*E F S) [7]

As well as estimation of parameters and assessment this manual considers recruitment, growth and mortality.

5. Manual of methods for fisheries resource survey and appraisal. Part 2. The use of acoustic instruments for fish detection and abundance estimation — $ 4.00 — £1.60

Edited by S. T. Forbes and O. Nakken. 1972, 138 p. (E F)

Echo sounders and sonars as an aid to fish population estimates and the rapid exploration of unexploited stocks.

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[7] Spanish edition on sale from Acribia, Apartado 466, Royo 23, Zaragoza, Spain.

PERIODICALS AND ANNUALS

Unasylva

Quarterly, 1950 to 1971. Bimonthly, 1947-49 (E F S)

Per volume	$ 2.50	£1.00
Single issue	$ 0.65	£0.29

The resumption of regular publication is planned for 1974

Review of forestry and forest products. Contains articles on world conditions and developments; reports, regional and technical conferences; commodity reports on forest products entering international trade; news items and reviews of current technical literature.

Timber statistics for Europe

Quarterly. 1948-54 (E F)

Per volume	$ 2.00	£0.75
Single issue	$ 0.50	£0.19

Continued as *Timber bulletin for Europe.*

Timber bulletin for Europe

Quarterly. 1955 to date (E F)

Annual subscription	$ 5.00
Single issue	$ 1.50

Available only from Sales Section, United Nations, Geneva, Switzerland. Contains timber market reports for most of the countries of Europe. Prepared jointly by FAO and the Economic Commission for Europe.

Yearbook of forest products statistics (Tri.)

Statistical data obtained from more than 100 countries during the two years preceding publication. Tables deal with production, trade and consumption in roundwood, sawnwood, sleepers, plywood, wood pulp, varied types of paper, paperboard and fibreboard. Salient features of the current world forest products situation are included.

1947. 249 p. (out of print)	$ 2.00	£0.50
1948. 250 p. (out of print)	$ 2.50	£0.63
1949. 105 p. (out of print)	$ 2.50	£0.63

1950. 183 p. (out of print)	**$ 2.50**	**£0.63**
1951. 182 p. (out of print)	**$ 2.50**	**£0.63**
1952. 171 p.	**$ 2.50**	**£0.63**
1953. 153 p.	**$ 2.50**	**£0.63**
1954. 153 p., addendum and map	**$ 2.50**	**£0.63**
1955. 161 p. (out of print)	**$ 2.50**	**£0.63**
1956. 170 p.	**$ 2.50**	**£0.63**
1957. 170 p.	**$ 2.50**	**£0.63**
1958. 185 p.	**$ 2.50**	**£0.63**
1959. 157 p. (out of print)	**$ 2.50**	**£0.63**
1960. 160 p. (out of print)	**$ 2.50**	**£0.63**
1961. 160 p.	**$ 2.50**	**£0.63**
1962. 159 p. (out of print)	**$ 2.50**	**£0.63**
1963. 132 p. (out of print)	**$ 2.50**	**£0.63**
1964. 132 p.	**$ 5.00**	**£1.25**
1965. 132 p.	**$ 5.00**	**£1.25**
1966. 144 p.	**$ 2.50**	**£0.63**
Continued as		
Yearbook of forest products 1967. 156 p.	**$ 3.00**	**£1.20**
1968. 157 p.	**$ 4.00**	**£1.60**
1969. 216 p.	**$ 5.00**	**£2.00**
1969-70. 230 p.	**$ 5.00**	**£2.00**
1970. 228 p.	**$ 8.50**	**£3.40**

MONOGRAPHS, MEETING REPORTS, SURVEYS, MANUALS

Forest resources of the world — $ 0.25 — £0.13

1948, 24 p. (*E *F *S). Reprinted from *Unasylva*, Vol. 2, No. 4, July-August 1948

World forest resources — $ 2.50 — £0.63

1955, 120 p., graphs, tables (*Tri.); 1957, 2nd printing (*Tri.)

This inventory describes the scope of the inquiry, presents an analysis of the results, and draws conclusions arising from the response of 212 countries to an FAO questionnaire.

World forest products statistics 1946-1955: a ten-year summary — $ 3.00 — £0.75

1958, 197 p., tables, charts (*Tri.)

World forest products statistics 1954-1963: a ten-year summary — $ 3.00 — £0.75

1965, 350 p., tables, charts (Tri.)

European timber trends and prospects [1] — $ 3.50

Geneva, 1953, 313 p. (E F)

This joint FAO/ECE study immediately ran into a second edition when it was published in 1953, and it is still the basic study for all those interested in forestry policy in Europe.

European timber statistics 1913-1950 [1] — $ 1.75

Geneva, 1953, 30 p., tables (E/F)

A joint FAO/ECE study.

European timber trends and prospects: a new appraisal 1950-1975 [1] — $ 3.00

1964, 233 p., tables (E F)

A joint FAO/ECE study.

Timber trends and prospects in the Asia-Pacific region — $ 2.00 — £0.50

1961, 224 p. (*E F)

Latin American timber trends and prospects [2] — $ 1.50

1963, 117 p., tables (E)

A joint study by FAO and ECLA.

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[1] Available from Sales Section, United Nations, Geneva.
[2] Available from Sales Section, United Nations, New York or Geneva.

Timber trends and prospects in Africa — **$ 2.50** **£0.63**

1967, 90 p. (E F)

Summarizes information on forest resources, primary wood-using industries, consumption and trade in wood products, with an indication of future requirements.

World forest inventory 1958 — **$ 2.50** **£0.63**

1960, 137 p., figures, table (*Tri)

World forest inventory 1963 — **$ 2.50** **£0.63**

1966, 113 p., figures, tables (Tri.)

The fifth inventory undertaken by FAO with some extensions in scope to provide an overall view of world forest resources.

Survey of pine forests, Honduras: final report (FAO/SF 26-Hon 50) — **$ 6.50** **£2.60** (clothbound) **$ 5.00** **£2.00** (paperbound)

1968, 80 p. (E S)

Report of a Special Fund project organized to provide a nucleus of trained forest inventory personnel and to collect basic information needed to develop the pine forest areas.

Proceedings of the sixth World Forestry Congress, Madrid, 1966 — **$50.00** plus postage

3 vols.

On sale from: Sexto Congreso Forestal Mundial, Dirección General de Montes, Ministerio de Agricultura, Paseo de Infanta Isabel 1, Madrid-7. Discount to booksellers and distributors: 30 percent for one to five copies. A larger discount for more than five. (Cash sales only)

Possibilities for the development of the pulp and paper industry in Latin America — **$ 1.50** **£0.55**

1954, 142 p., tables, graphs (*E *S)

A joint study by FAO and ECLA.

World pulp and paper resources and prospects — **$ 1.25** **£0.31**

New York, 1954, 102 p. (E S)

Survey prepared by FAO in co-operation with the Secretariats of Unesco, ECE and ECLA.

Pulp and paper prospects in Latin America — **$ 4.50** **£1.60**

New York, 1955, 465 p. (*E *S)

Regional background information on problems of supply and distribution as reported by 186 experts from 24 countries at a meeting of pulp and paper authorities held in Buenos Aires.

World demand for paper to 1975 — $ 1.50 — £0.37

1960, 159 p., figures, tables (*E); 1961, 2nd printing (*E); 963, 3rd printing (*E)

A study of regional trends.

Pulp and paper prospects in Latin America: present situation and future trends of demand, production and trade [3] — $ 1.00

1963, 81 p., tables (E S)

A joint study by ECLA, FAO and the Bureau of Technical Assistance Operations.

Pulp and paper prospects in Asia and the Far East [3]

Vol. 1, 1962, 292 p., annexes (E) — $ 3.50
Vol. 2, 1962, 613 p., tables (E) — $ 7.00

Proceedings of a Conference held in Tokyo from 17 to 31 October 1960, sponsored jointly by ECAFE and FAO.

Pulp and paper prospects in western Europe — $ 9.00

1963, 456 p. (E)

On sale only from BLV Bayerischer Landwirtschaftsverlag GmbH, Lothstrasse 29, Munich 13, Federal Republic of Germany.
A study be the FAO Secretariat under the direction of Arne Sundelin.

Pulp and paper development in Africa and the Near East — $ 4.00 — £1.00

Vol. 1, 1966, 454 p. (*E F)

Proceedings of the Conference on Pulp and Paper Development in Africa and the Near East, Cairo, 8-18 March 1966. A joint FAO/United Nations publication.

Fibreboard and particle board — $ 2.00 — £0.50

1958, 191 p., tables (E *F *S); 1959, 2nd printing (E); 1963, 3rd printing (E)

Resulting from a meeting in January 1957 of some 300 representatives from 37 countries, gathered in Geneva to exchange information on insulation board, hardboard and particle board, this detailed report encompasses for the first time in one volume a wealth of technical and economic information on the three industries.

Asia-Pacific regional grading rules for teak squares — $ 0.25 — £0.06

1958, 26 p. (*E)

Asia-Pacific regional grading rules for teak logs — $ 0.50 — £0.13

1959, 52 p. (*E)

Available from Sales Section, United Nations, New York or Geneva.

Asia-Pacific regional grading rules for hardwood logs other than teak — **$ 0.25** **£0.13**
1959, 28 p. (*E)

Asia-Pacific regional grading rules for sawn hardwood timber (nonteak) — **$ 1.00** **£0.25**
1959, 83 p. (*E)

Standard nomenclature of the exportable timbers of the Asia-Pacific region — **$ 1.00** **£0.25**
1960, 96 p. (E)

Plywood and other wood-based panels — **$ 6.00** **£1.50**
1966, 223 p. (E F S)
Report of an international consultation on plywood and other wood-based panel products, Rome, 8-19 July 1963.

Conservation and management of African wildlife — **$ 1.50** **£0.37**
by T. Riney. 1967, 35 p. (E F)

Directory of wheel and track-type tractors produced throughout the world — **$ 3.00** **£0.75**
1955, 371 p., mimeographed (*Tri.)

Directory of wheel and crawler tractors produced throughout the world — **$ 2.00** **£0.50**
1962, 159 p., mimeographed (Tri.)

International directory of manufacturers of forestry instruments and hand tools 1967 — **$ 2.50** **£0.63**
1967, 174 p. (*Tri.)

Log saw catalogue — **$ 4.00** **£1.00** (clothbound)
1957, 439 p. (*Tri.)

Forest seed directory 1954 — **$ 0.50** **£0.13**
1954, 110 p. (*Tri.)

Forest seed directory 1955 — **$ 1.00** **£0.25**
1955, 158 p. (*Tri.)

Forest seed directory 1956 — **$ 2.00** **£0.50**
1956, 178 p. (Tri.)

Forest tree seed directory 1961 — **$ 2.00** **£0.50**
1962, 518 p. (*E F S)

The Oxford system of decimal classification for forestry

1954, 115 p. (E F) [4]

Available only from the Commonwealth Forestry Bureau, Oxford 5, England.

SERIES

FAO FORESTRY AND FOREST PRODUCTS STUDIES

1. Planning a national forest inventory	**$ 1.00**	**£0.25**
by J. D. B. Harrison. 1950, 88 p. (*E *F *S)		
2. Forest policy, law and administration	**$ 2.00**	**£0.50**
by T. François. 1950, 211 p. (*E *F *S)		
3. Tropical woods and agricultural residues as sources of pulp: a symposium	**$ 2.00**	**£0.50**
1952, 190 p., tables, diagrams (*E)		
Papers presented at the fifth Meeting of the FAO Technical Committee on Wood Chemistry, September 1951.		
4. Grazing and forest economy	**$ 2.00**	**£0.50**
by T. François. 1953, 161 p., illustrations (*E *F S)		
Deals with the problems as they affect temperate, tropical and arid regions.		
5. Elements of forest fire control	**$ 1.00**	**£0.25**
by B. Clarke and S. B. Show. 1953, 110 p. (*E F S)		
Fire prevention and control should be regarded as an integral part of forest management. This short study outlines the organization and administration involved in a protection programme.		
6. Raw materials for more paper: pulping processes and procedures recommended for testing	**$ 2.00**	**£0.50**
1953, 172 p., tables (*E)		
These findings of an FAO pulp and paper consultation in Rome, December 1952, form a short handbook covering pulping processes for fibrous raw materials from new sources and procedures recommended for the investigation of new raw material for paper.		

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[4] French edition published by the Ecole nationale des eaux et forêts, 4 rue Girardet, 54 Nancy, France.

7. Forestry abstracts coverage list — $ 1.50 — £0.37

1953, 180 p. (Tri.)

Prepared by the Commonwealth Forestry Bureau, this list forms a comprehensive and well-tested collection of publications of considerable importance to forestry.
A revised edition of this publication has been issued in mimeographed form as World list of periodicals and serials of interest to forestry.

8. National forest policies in Europe — $ 3.00 — £0.75

1953, 370 p., tables (*E F)

Member Governments of the FAO European Forestry Commission presented reports covering administration, improvement in quality and quantity of wood produced, utilization of forest products, timber trade, labour questions, education, research and statistics. A valuable work of reference.

9. Research in forestry and forest products — $ 3.00 — £0.75

1953, 323 p., tables (*E)

This world directory of research institutions gives an outline of their objectives and summaries of their activities.
A revised version of this publication was issued in 1963 as Forestry Occasional Paper No. 11, Forestry research: a world directory of forest and forest products research institutions.

10. Directory of forestry schools — $ 3.00 — £0.75

1953, 299 p. (*E)

A revised edition of this publication was issued by the Society of American Foresters (1010 16th Street, N. W., Washington, D.C. 20036, U.S.A.).

11. Eucalypts for planning — $ 3.50 — £0.87

by A. Métro. 1955, 403 p., illustrations, bibliography (E F *S); 1966, 2nd printing (E)

A description of world experience with eucalypts, referring particularly to subtropical and Mediterranean-type climates. Botanical descriptions, natural stands, observations made in various artificial plantations are summarized.

12. Poplars in forestry and land use — $ 3.50 — £0.87

1958, 511 p., figures, tables (E *F S); 1965, 2nd printing (E)

13. Tropical silviculture — $ 2.00 — £0.50

Vol. 1, 1958, 190 p. (*E *F *S)

Prepared by I. T. Haig, M. A. Huberman and U Aung Din

Vol. 2, 1957, 415 p. (*Tri.) — $ 4.00 — £1.00

Vol. 3, 1958, 101 p. (*Tri.) — $ 1.00 — £0.25

Arising out of the fourth World Forestry Congress, held at Dehra Dun, India, in December 1954, this trilogy consists of a general study of tropical silviculture (Volume 1) and selected technical papers related to the subject (Volumes 2 and 3) covering the areas of Malaya, Madagascar, Puerto Rico, India, Pakistan, Costa Rica, Uganda, the Congo, Trinidad, Indonesia, North Borneo and the Philippines.

14. Pinus radiata — $ 3.50 — £0.87

by C. W. Scott. 1960, 328 p., chart, figures, tables (*E F *S)

An important, almost unique volume concerned with the tree species found to be most successful for the creation of new forests. This study is of particular interest to residents of southern hemisphere countries, where the rapid growth of the tree and its high yield of wood for lumber and pulp have aroused much attention.

15. Forest influences — $ 3.00 — £0.75

1962, 307 p., tables, figures (*E F *S)

16. Genetics of forest tree improvement — $ 4.00 — £1.00

by Jonathan W. Wright. 1962, 399 p. (*E F S)

17. Planning a forest inventory — $ 2.50 — £1.00

by B. Husch. 1971, 121 p. (E F S)

Covers planning guidelines, modern inventory techniques, methods of measurement, data compilation, field and office procedure, aerial photography and forest photo interpretation.

18. Guide for planning pulp and paper enterprises — $12.50 — £5.00

(in preparation)

FAO FORESTRY DEVELOPMENT PAPERS

1. Tractors for logging — $ 2.00 — £0.50

by X. de Mégille. 1954, 189 p., illustrations (*E *F); 1957, 2nd printing (*E)

2. World festival of trees — $ 0.75 — £0.19

1954, 74 p. (*E F *S)

3. Forest plantation protection against diseases and insect pests — $ 0.50 — £0.13

by J. S. Boyce. 1954, 41 p. (*E F *S)

4. Handling forest tree seed — $ 1.00 — £0.25

by H. I. Baldwin. 1955, 110 p. (*E F *S)

Deals with seed procurement collection, extraction, storage, shipment, testing, discussing methods of handling tree seed from procurement to packaging.

5. Tree seed notes. 1. Arid areas. 2. Humid tropics — $ 3.50 — £0.87

by E. Magini and N. P. Tulstrup. 1955, 354 p. (*E S)

6. Tree planting practices for arid areas — $ 1.50 — £0.37

by A. Y. Goor. 1955, 126 p., illustrations (*E *F *S)

7. Report of the third Conference on Wood Technology, 17-26 May 1954 — $ 2.00 — £0.50

1955, 204 p., illustrations (*Tri.)

8. Tree planting practices in tropical Africa — $ 3.00 — £0.75

by M. S. Parry. 1956, 302 p., illustrations (*E *F *S); 1959, 2nd printing (*E)

Characteristics of species most commonly planted. Environment, thinning and pruning, nursery techniques, planting problems, and protection against insect and animal damage are discussed.

9. L'agriculture nomade. Vol. 1. Congo belge et Côte-d'Ivoire — $ 2.00 — £0.50

par G. Tondeur et B. Bergeroo-Campagne. 1956, 232 p. (*F)

10. Tree planting practices in temperate Asia: Japan — $ 1.50 — £0.37

1956, 156 p., illustrations (*E)

11. Tree planting practices in tropical Asia — $ 2.00 — £0.50

by C. Letourneux. 1957, 172 p., illustrations (*E F)

Planting practices and general characteristics of problems most often found in tropical areas of Asia.

12. Hanunóo agriculture in the Philippines — $ 2.00 — £0.50

by H. C. Conklin. 1957, 210 p., figures, tables, plates (*E)

Carrying the study of shifting cultivation into the humid tropics, this work is the first thorough examination of a particular area of this region that is known to have been published through 1957.

13. Choice of tree species for planting — $ 3.50 — £0.87

by Sir Harry Champion and N. V. Brasnett. 1958, 307 p., plates, maps (*E F *S)

A review of factors to guide practising foresters in deciding what species of trees to use in planting specific areas and what species to favour in tending natural forest or mixed plantations. Examples of fixed sites and the results of introduction of certain species on them are included.

14. Tree planting practices in temperate Asia: Burma, India, Pakistan $ 1.50 £0.37

by P. N. Suri and S. K. Seth. 1959, 149 p., figures (*E)

15. Prácticas de plantación forestal en América Latina $ 5.00

por Carlos M. Flinta. 1960, 498 p., figures (*S); 1966, 2nd printing (*S)

16. Tree planting practices for arid zones $ 3.00 £0.75

by A. Y. Goor. 1963, 233 p. (*E F S)

Revised and expanded edition of FAO Forestry Development Paper No. 6.

17. Shifting cultivation in Latin America $ 6.25 £2.50

by R. F. Watters. 1971, 305 p. (E F S)

Reviews the various forms of shifting agriculture practised in Latin America, with particular emphasis on Venezuela, Mexico and Peru.

18. Tree planting practices in African savannas

(in preparation)

MONOGRAPHS AND MEETING REPORTS

Encouraging the use of protein-rich foods — **$ 1.00** **£0.40**

by J. Fridthjof. 1962, 103 p. (E F S); 1964, 2nd printing (E); 1967, 3rd printing (E); 1971, 4th printing (E)

The author of this book, a specialist in the introduction of new products to consumers has conducted campaigns to promote fish consumption in Brazil, Chile, Mexico, Morocco and Yugoslavia during the past ten years. Other members of the Nutrition Division of FAO have also given him the benefit of their experience for the preparation of this publication, which may well serve as a guide for all persons participating in campaigns to introduce protein-rich foodstuffs, as a valuable means of fighting malnutrition and improve nutritional standards, especially in the less developed regions. Illustrations were drawn and the layout prepared by Jack Maxwell, an FAO staff artist.

Energy-yielding components of food and computation of calorie values — **$ 0.20** **£0.05**

1947, 23 p. (*E F *S)

Recommendations for a practical international standard procedure assessing the physiological energy value of foods and diets.

Home economics information exchange — **$ 0.50** **£0.13**

Material on home economics and its teaching. 1953, 156 p., mimeographed (*Tri.)
First supplement. 1954, 104 p., mimeographed (*Tri.) — **gratis**
Second supplement. 1956, 74 p., mimeographed (*Tri) — **gratis**

Specifications for identity and purity of food additives. Vol. 1. Antimicrobial preservatives and antioxidants: third report of the Joint FAO/WHO Expert Committee on Food Additives, Rome, 1-8 December 1958 — **$ 1.75** **£0.44** (clothbound)

1962, 116 p. (E F S)

Specifications for identity and purity of food additives. Vol. 2. Food colors: fourth report of the Joint FAO/WHO Expert Committee on Food Additives, Rome, 30 November-7 December 1959 — **$ 1.75** **£0.44**

1963, 136 p. (*E F S)

hild care: a handbook for village workers and leaders $ 2.00 £0.80

y M. E. Keister. 1967, 58 p. (E F S); 1968, 2nd printing (E); 1969, rd printing (E); 1971, 4th printing (E); 1972, 5th printing (E)

ays emphasis on the general principles underlying the care and up-inging of children. Well illustrated and adaptable to any country region.

lanning, building and equipping home economics centers $ 2.00 £0.50

y E. Haglund and L. E. Magnusson. 1967, 101 p. (*E F S)

escribes what home economics centres should be, from the buildings own to details of modern equipment.

isual aids in nutrition education: a guide to their preparation and use $ 3.00 £1.20

Alan C. Holmes. 1968, 154 p. (E F S); 1969, 2nd printing (E); 971, 3rd printing (E)

practical guide to the selection and preparation of audio-visual aids r use in nutrition education programmes.

ur foods: a handbook for educationists in west Africa [1] $ 2.00 £0.50

H. and M. Dupin. 1965, 110 p. (E F)

translation and adaptation of Nos aliments *by H. and M. Dupin, blished by Editions sociales françaises, Paris.*

uits and vegetables in west Africa [1] $ 2.50 £1.00

H. D. Tindall and F. A. Sai. 1965, 259 p. (E F); 1971, 2nd printing)

e principles and practice of vegetable and fruit growing in west Africa, th a special chapter on the nutritional value of these foods.

ur mieux se nourrir: guide à l'usage des éducateurs à Madagascar $ 2.00

r J. Claudian, J. Rakotomalala [et] E. Laurens-Rakotomalala. 70, 128 p.

blished under the auspices of FAO, UNICEF and the Ministère de santé publique et de la population, Madagascar.

uman nutrition in tropical Africa [1] $ 2.50 £1.00

M. Latham. 1965, 268 p. (E F); 1968, 2nd printing (E); 1969, 3rd nting (E); 1970, 4th printing (E)

extbook for health workers with special reference to community lth problems in east Africa.

trition in relation to agricultural production [1] $ 2.00 £0.80

I. S. Dema. 1965, 123 p. (E); 1971, 2nd printing (E)

manual for extension supervisors in agriculture, home economics, al health and community development; and for workers in other ds related to nutrition in Nigeria and other countries of west Africa.

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joint FAO/WHO/UNICEF publication. Also on sale in African countries ough representatives of Longmans, Green and Co. Ltd.

A short guide to fish preservation[2] **$ 1.00 £0.25**

by G. C. Rawson and F. A. Sai. 1966, 68 p. (E)

The preservation of fish on a domestic scale under west African conditions by salting, drying and smoking; appendixes on icing, fish protein-concentrate production, canning, and a chapter on the nutritional importance of fish.

Grain legumes in Africa[2] **$ 1.50 £0.37**

by W. R. Stanton, Joyce Doughty, R. Orraca-Tetteh and W. Steele. 1966, 183 p. (E F)

The classification and cultivation of grain legumes with chapters on improved varieties and their nutritional value.

SERIES

FAO NUTRITIONAL STUDIES

1. Rice and rice diets **$ 0.75 £0.19**

1948, 72 p. (*E); 1951, 2nd printing (*E); 1952, 3rd printing (*E); 1954, revised edition (*E); 1965, 2nd printing (*E)

This survey is concerned primarily with the nutritive value of rice and rice diets and with ways and means of improving nutrition in rice-eating areas.

2. Synthetic fats **$ 0.25 £0.06**

1949, 14 p. (*E F)

A report of the potential contribution of such fats to world food requirements. Tables and bibliography.

3. Food composition tables for international use **$ 0.75 £0.19**

by C. Chatfield. 1949, 56 p. (*E *F *S)

Prepared to facilitate the drawing-up of food balance sheets and to introduce a greater degree of uniformity in the completion of nutritional statistics.

4. Dietary surveys: their technique and interpretation **$ 1.00 £0.25**

by T. Norris. 1949, 108 p. (*E *F *S)

Designed to assist workers undertaking dietary studies in different parts of the world.

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[2] A joint FAO/WHO/UNICEF publication. Also on sale in African countries through representatives of Longmans, Green and Co. Ltd.

5. Calorie requirements: report of the Committee on Calorie Requirements, 12-16 September 1949 — $ 0.75 — £0.19

1950, 65 p. (*E *F *S)

A report on the problem of assessing the calorie and nutrient requirements of human beings, defining general principles, and making general recommendations which can be applied, with appropriate adjustments, in different parts of the world and to different peoples.

6. Teaching better nutrition — $ 1.50 — £0.37

by J. A. S. Ritchie. 1950, 148 p., illustrations (*E *F S); 1955, 2nd printing (*E); 1957, 3rd printing (*E); 1958, 4th printing (*E); 1960, 5th printing (*E); 1963, 6th printing (*E)

A study of approaches and techniques which includes examples of questionnaires, training curricula, and various types of teaching aids.

7. Nutrition work in Greece — $ 0.50 — £0.13

by A.G. Tsongas. 1951, 67 p., illustrations, charts, tables (*E F S)

8. Kwashiorkor in Africa — $ 0.75 — £0.19

by J. F. Brock and M. Autret. 1952, 78 p. (*E *F S)

9. Maize and maize diets: a nutritional survey — $ 1.00 — £0.40

1953, 94 p., illustrations, tables (E *S); 1968, 2nd printing (E)

10. School feeding: its contribution to child nutrition — $ 1.00 — £0.25

by M. L. Scott. 1953, 129 p., illustrations, plates (*E F *S)

11. Food composition tables - minerals and vitamins - for international use — $ 1.00 — £0.25

by C. Chatfield. 1954, 117 p. (*E *F *S); 1959, 2nd printing (*E); 1964, 3rd printing (*E)

12. Rice enrichment in the Philippines — $ 1.00 — £0.25

by W. C. Aalsmeer, K. Mitra, I. A. Simpson, Nestor Obando and F. S. De. 1954, 109 p., references, tables (*E)

13. Síndrome policarencial infantil (kwashiorkor) and its prevention in Central America — $ 1.00 — £0.25

by M. Autret and M. Behar. 1954, 81 p., illustrations, diagrams (*E *F *S)

14. Protein malnutrition in Brazil — $ 0.50 — £0.13

by J. C. Waterlow and A. Vergara. 1956, 40 p. (*E *F)

15. Calorie requirements: report of the Second Committee on Calorie Requirements — $ 0.75 — £0.30

1957, 68 p., tables (E *F S); 1958, 2nd printing (E); 1965, 3rd printing (E); 1968, 4th printing (E); 1972, 5th printing (E)

Contents of this work include such subjects as relationship between activity, body size, climate, etc., and calorie requirements; the contribution of alcohol to calorie intake; requirements of children and the effect of ageing on adult requirements; and body fat content and its significance.

16. Protein requirements: report of the FAO Committee, Rome, 24-31 October 1955 — $ 0.75 — £0.19

1957, 52 p., tables (*E *F S); 1960, 2nd printing (*E)

17. Milk and milk products in human nutrition — $ 0.75 — £0.19

by S. K. Kon. 1959, 76 p. (*E *F *S)

Processing and use of milk in different parts of the world, including an outline of measures being taken to supply milk to those in need of it. An excellent handbook for practical use of dairy experts, health specialists, nutrionists, home economists, milk engineers.

18. Manual on household food consumption surveys — $ 1.00 — £0.40

by E. Reh. 1962, 96 p. (E F *S); 1967, 2nd printing (E); 1972, 3rd printing (E)

A practical handbook for personnel undertaking field surveys, this study shows how such programmes are made in actual practice and what they involve. The work is based largely on experience in Latin America, but it may also be applied to rural societies in many other developing countries.

19. Legumes in human nutrition — $ 3.00 — £1.20

by W. R. Aykroyd and Joyce Doughty. 1964, 138 p. (E F S); 1966, 2nd printing (E); 1969, 3rd printing (E); 1973, 4th printing (E)

20. Learning better nutrition: a second study of approaches and techniques — $ 4.00 — £1.60

by Jean A. S. Ritchie. 1967, 264 p. (E F S); 1969, 2nd printing (E); 1971, 3rd printing (E)

The present study re-examines the techniques used in programmes of education and training in nutrition within the context of social, economic and technical change. It also deals with the need for such education, the background information on which the education should be based, its planning, support and evaluation, and the educational channels and methods which seem to show greatest promise. Learning better nutrition *is primarily written for agriculturists, home economists, doctors, health workers, and biochemists who play a vital role in trying to solve the world's food problem.*

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by G. B. Masefield. 1967, 96 p. (*E F S); 1968, 2nd printing (*E)

This handbook emphasizes the practical aspects of food management in times of disaster, including appraisal of existing stores, rationing, methods of distribution, price control, and first aid for nutritional relief. It is primarily concerned with food supply in the event of earthquakes, hurricanes, volcanic eruptions, floods, crop failures due to drought, or interruption of food supplies in wartime. Short-term medium-term and long-term emergencies are dealt with, including the strategy of relief in each instance.

22. Manual on food and nutrition policy — $ 2.00 — £0.80

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Defines food and nutrition policy in the context of economic and social development.

23. Wheat in human nutrition — $ 3.50 — £1.40

by W. R. Aykroyd and J. Doughty. 1970, 163 p. (E F S); 1971, 2nd printing (E F S)

The history of wheat in human nutrition, its production and consumption, nutritive value and various uses.

24. Amino-acid content of foods and biological data on proteins — $12.00 — £4.80

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Tables which show the level of amino acids in foods and the scores; the data relating to biological value, digestibility, net protein utilization, and protein efficiency rate.

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A practical guide for professional workers in planning and evaluating applied nutrition programmes. It explains the mechanism of government coordination, the role of ministries, the special need for committees and trained personnel and the numerous components involved.

27. Milk and milk products in human nutrition — $ 2.50 — £1.00

by S. K. Kon. Second edition revised. 1972, 80 p. (E F S)

Processing and use of milk in different parts of the world, with an outline of measures being taken to supply milk to those in need of it. Excellent handbook for dairy experts, nutritionists, milk engineers.

FAO NUTRITION MEETINGS REPORT SERIES

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12. Human protein requirements and their fulfilment in practice by J. C. Waterlow and M. L. Stephen. 1957, 194 p. (*E); 1960, 2nd printing (*E) *Proceedings of a conference in Princeton, N. J., U.S.A., 1955, sponsored jointly by FAO, WHO and the Josiah Macy Jr. Foundation, New York.*	**$ 2.00**	**£0.50**
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An assessment of extraction solvents from the toxicological point of view, and the efficiency of some antimicrobial agents.

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Special attention was given to food fortification programmes and protein-calorie malnutrition.

50. Evaluation of food additives. Some enzymes, modified starches, and certain other substances: toxicological evaluations and specifications and a review of the technological efficacy of some antioxidants. Fifteenth report of the Joint FAO/WHO Expert Committee on Food Additives, Geneva, 16-24 June 1971 — **$ 1.00** — **£0.40**

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Assessed the use of additives in baby foods, the toxicological evaluation of additives named in the title of the report, and reviewed the technological efficacy of certain antioxidants.

51. Evaluation of certain food additives and of the contaminants mercury, lead, and cadmium. Sixteenth report of the Joint FAO/WHO Expert Committee on Food Additives, Geneva, 4-12 April 1972 — **$ 1.00** — **£0.40**

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The principal substances considered, mercury, lead and cadmium, are food contaminants rather than intentional food additives. This reflects the world-wide awareness of problems of environmental contamination in general and food contamination in particular.

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Outlines the present situation and the practical health measures being taken to regulate the use of additives.

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Discontinued January 1972

Issued by the FAO Legislation Research Branch under the joint FAO/WHO programme on intentional non-nutritive food additives, this bulletin lists current acts and regulations in the field and covers legislation on pesticide residues in foods.

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author index

Aalsmeer, W. C. 107
Abbott, J. C. 9, 73, 74
Abensour, E. S. 21, 48, 123
Acland, J. D. 20
Acock, A. M. 68
Adams, F. 44
Albertsen, V. E. 35
Alewell, A. 91
Allen, G. R. 8
Allison, S. V. 16
Allman, R. T. 31
Ashby, A. W. 34
Aten, A. 45, 48, 49, 50, 51
Autret, M. 107
Aykroyd, W. R. 12, 108, 109

Bain, R. V. S. 38
Baldwin, H. I. 102
Banarescu, P. 87
Barbero, G. 37
Barnett, S. F. 37
Barter, P. G. H. 74
Beekman, E. 43
Beever, C. 91
Behar, M. 107
Belshaw, H. 36
Benoit, R. 35
Beresford-Peirse, H. 11
Bergeroo-Campagne, B. 102
Biesalski, E. 46
Bini, G. 89, 129
Binns, Sir Bernard O. 32, 33, 34, 43, 44
Blanc, M. 87
Blau, G. 71, 72
Blom, T. 35
Blombergsson, H. 38
Boalch, D. H. 17, 128
Borasio, L. 18, 129
Botham, C. N. 54
Boyce, J. S. 101
Bradfield, D. J. 22
Brasnett, N. V. 102
Brock, J. F. 107
Brossard, D.B. 48
Buck, J. Lossing 42
Burdette, R. F. 73
Burton, H. 38

Camerani, V. 131
Camerani-Teodorova, M. 131
Cano, G. J. 49
Caponera, D. A. 45, 47
Cépède, M. 21
Chakravarty, S. 8
Champion, Sir Harry 102
Chang, C. W. 10
Chaparro, A. 37
Chatfield, C. 106, 107
Chaves Esquivel, O. 54
Chiarappa, L. 20
Clarke, B. 99
Claudian, J. 105
Clausen, H. 36
Clauson, Sir Gerard 33
Clements, F. W. 111
Cockrill, W. R. 16
Cohen, R. 70
Collins, G. E. P. 91
Conklin, H. C. 102
Constandse, A. K. 52
Cooke, F. C. 50
Cooke, G. W. 62
Cooper, J. P. 36
Couston, J. W. 16
Creupelandt, H. C. 74
Croft, P. G. 35
Cummings, W. H. 45
Cuttel, J. R. 33

Dandekar, V. M. 8
Davies, C. 47
De, S. S. 107
Dema, I. S. 105
De Poerck, R. A. 40
Dessau, J. 8
De Vajda, A. 44
Digby, M. 48, 50, 88

Dion, H. G. 42
Dolman, C. E. 35
Doughty, J. 106, 108, 109
Dowson, V. H. W. 51
Doyle, J. J. 39
Drieux, H. 35
Dumbleton, L. J. 45
Dupin, H. 105
Dupin, M. 105

Edelman, C. H. 17, 128
Eeuwens, B. E. P. 17, 128
Ellinger, K. R. 74
Erus, N. 63
Ezekiel, M. 5

Faunce, A. D. 45
Finn, D. B. 6
FitzGerald, D. A. 8
Flinta, C. M. 103
Forbes, S. T. 92
François, T. 99
French, M. H. 39, 40, 123
Frezzotti, G. 49
Fridthjof, J. 104

García Carrillo, C. 14
Gariboldi, F. 18, 129
Gaudet, J. L. 87
Gerhardsen, G. M. 90
Gertenbach, L. P.D. 90
Gerwig, C. 36
Giménez Landínez, V. 123
Gobé, R. 22
Godfrey, E. R. 86
Goor, A. Y. 102, 103
Gordon, A. S. 42
Greene, H. 31
Gretton, R. H. 48
Gulland, J. A. 89, 92

Hagan. R. M. 16
Haglund, E. 105
Haig, I. T. 100
Hall, D. W. 55
Hall, H. S. 33, 38
Halnan, E. T. 48
Hamann, V. 116
Hamilton, T. S. 31
Hansen, S. C. 116
Harrington, J. B. 45
Harrison, J. D. B. 99
Heen, E. 87
Heiss, R. 23
Helgeson, E.A. 35
Henderson, E. 4, 129
Henderson, J. 123
Hess, E. 91
Hessle, C. 91
Hinton, C. L. 115
Hofstee, E. W. 52
Holleman, L. W. J. 49
Holliman, E. S. 92
Holmes, A. C. 105
Holt, S. J. 89, 129
Hood, R. I. 35
Hopfen, H. J. 18, 46, 51, 55, 128, 129
Houston, C. E. 16
Houthuis, M. J. J. 35
Howard, G. V. 86
Huberman, M. A. 100
Hudson, J. R. 41
Huffnagel, H. P. 20
Hureau, J. C. 87
Husch, B. 101

Ignatieff, V. 32, 36
Innes, R. F. 48

Jacks, G. V. 17, 128
Jacoby, E. H. 11, 34, 39, 123
Jepsen, A. 35
Jewell, W. R. 116
Johansen, H. H. 35
Johansson, I. 39
Joshi, N. R. 33, 35, 39
Jugenheimer, R. W. 47, 50

Kaplan, M. M. 35
Kay, H. D. 33
Keister, M. E. 105
Kelly, R. W. 74
Kesteven, G. L. 91
Kirk, L. E. 31
Knew, E. 48
Koch, S. O. 35
Kon, S. K. 108, 109
Kosikowski, F. V. 35
Kreuzer, R. 87
Kristjonsson, H. 86, 87
Krohn, Klaus-Hinrich 91
Krug, C. A. 38, 40

Laevastu, T. 92
Laidlaw, A. F. 52
Laing, J. A. 34, 37

Latham, M. 105
Latham, M. C. 109
Laurens-Rakotomalala, E. 105
Le Cren, E. D. 91
Lee, D. H. K. 47
Lethem, W. A. 49
Letourneux, C. 102
Lever, R. J. A. W. 40
Lewis, A. B. 42, 44
Ling, Lee 31, 42, 45
Lininger, F. F. 46
Lönnemark, H. 54
Loosli, J. K. 40
Louwes, H. J. 44

Maar, A. 88
Magini, E. 102
Magnusson, L. E. 105
Mann, I. 51, 52
Manni, M. 49, 50
Markley, K. S. 68
Masefield, G. B. 109
Mason, I. L. 16
Mattick, A. R. T. 33
Maunder, A. H. 47
McDiarmid, A. 38
McDonald, I. W. 40
McLaughlin, E. A. 35, 39
Mégille, X. de 101
Meijer, W. 115
Métro, A. 100
Meyer-Waarden, P. F. 91
Mifsud, F. M. 123
Milne, M. K. 17, 128
Mitra, K. 107
Mocquot, G. 35
Moir, T. R. G. 36
Molenaar, A. 49, 50
Monro, H. A. U. 38, 40
Moral-López, P. 48, 123
Mortimer, M. A. E. 88
Moskovits, I. 46, 48
Music, D. A. 72

Nakken, O. 92
Narain, R. D. 66
Nilsson-Leissner, G. 33
Norris, T. 106

Obando, Nestor 107
Oram, P. A. 49
Orraca-Tetteh, R. 106
Ottogalli, G. 41
Ovenden, A. E. 91
Oxley, T. A. 31
Oyenuga, V. A. 70

Page, H. J. 36, 63
Panse, V. G. 66
Pansiot, F. P. 37
Papadakis, J. 20
Parry, M. S. 102
Parsons, K. H. 35
Passerini, L. 45
Pastore, M. 41
Pawley, W. H. 10
Peebles, T. F. 45
Phillips, R. W. 31, 33, 35, 42, 45, 46, 49
Pien, J. 38
Pignalosa, F. 76
Pillay, T. V. R. 88
Pillsbury, A. F. 54
Price, C. J. 15, 16
Pugsley, L. I. 115

Quartey-Papafio, E. 38

Rakotomalala, J. 105
Ramiah, K. 47
Rao, T. S. 52
Rattray, J. M. 37
Rawson, G. C. 106
Ray, L. R. 43, 45
Rebour, H. 37
Reed, J. E. 15, 16
Reh, E. 108
Ricard, R. 122, 123
Riney, T. 98
Ritchie, J. A. S. 107, 108
Rohan, T. A. 38
Rosén, Y. 38
Rosenstein-Rodan, P. N. 8
Rowlands, A. 33
Ruud, K. 91

Sai, F. A. 21, 105, 106
Santa Cruz, H. 21
Scaccia Scarafoni, G. 35
Schmid, G. 35
Schönberg, F. 35
Schuster, W. H. 91
Scott, C. W. 101
Scott, G. R. 39
Scott, M. L. 107
Seehafer, M. E. 39
Semple, A. T. 33
Seth, S. K. 102

Shevchenko, M. G. 116
Shillinger, Y. I. 116
Show, S. B. 99
Silow, R. A. 47
Simpson, I. A. 107
Sistø, N. 63
Skrubbeltrang, F. 33
Smethurst, R. G. 8
Smith, L. P. 9
Soulides, D. A. 31
Souverain, R. 116
Spinks, G. R. 74
Stanton, W. R. 106
Steele, J. H. 9
Steele, W. 106
Stenberg, A. J. 116
Stephen, M. L. 111
St. Siegens, J. 51
Stewart, G. F. 73
Stout, B. A. 54
Stover, J. H. 42
Suri, P. N. 102
Szczepanik, E. F. 88
Szyfres, B. 14

Tavernier, R. 17, 128
Taylor, E. L. 38
Tenembaum, J. L. 51
Tentoni, R. 41
Terada, K. 88
Theobald, G. H. 52
Theodore, C. A. 92
Thieme, J. G. 55
Thieulin, G. 38
Thomann, W. 15
Thornton, H. 35
Threlkeld, T. 48, 122
Timmons, J. F. 35
Tindall, H. D. 21, 105
Tondeur, G. 102
Traung, Jan-Olof 86
Truhaut, R. 116
Trumble, H. C. 33
Tsongas, A. G. 107
Tulstrup, N. P. 102

U Aung Din 100
Uhl, E. 116
Underwood, E. J. 16

Van der Lingen, I. 88
Vargas Galíndez, F. F. 49
Vergara, A. 107
Verständig, S. 91
Veyret, G. 21
Veyret, P. 21
Viton, A. 76

Waterlow, J. C. 107, 111
Watters, R. F. 103
Whyte, R. O. 33, 36
Williams, M. B. 42
Williams, M. S. 16
Willson, F. M. G. 91
Witt, L. 5
Wright, J. W. 101

Yang, Hsin-Pao 34, 48
Yang, W. Y. 44, 50, 52, 53

Zarkovich, S. S. 66

subject and title index*

Activities of FAO under the Expanded Technical Assistance Program 127
Advances in cheese technology 35
Advances in the control of zoonoses 34
Africa 2, 20, 21, 22, 35, 37, 41, 69, 88, 96, 97, 98, 102, 103, 105, 106, 107, 112, 113, 123
African trypanosomiasis 41
Agrarian reconstruction 11
Agrarian reform 22, 34, 39
Agricultural adjustment in developed countries 4
Agricultural and horticultural seeds 37
Agricultural and public health aspects of Radioactive contamination in normal and emergency situations 29
Agricultural commodities and the European Common Market 72, 76
Agricultural commodities: projections for 1970 59
Agricultural commodities: projections for 1975 and 1985 69
Agricultural commodities projections, 1970-1980 69, 70
Agricultural commodity trade and development; prospects, problems and policies: a reference paper 72
Agricultural credit 36, 39, 44, 46, 48, 52
Agricultural credit for small farmers 44
Agricultural credit in economically underdeveloped countries 36
Agricultural credit through co-operatives and other institutions 39
Agricultural development: a review of FAO's field activities 12
Agricultural development and rural reform in Denmark 33
Agricultural development in Nigeria 1965-1980 70
Agricultural engineering 18, 38, 42, 43, 45, 46, 47, 49, 50, 51, 54, 55, 128, 129
Agricultural extension 2, 22, 47, 50, 52, 68
Agricultural machinery workshops: design, equipment and management 50
Agricultural marketing boards: their establishment and operation 74
Agriculture 13-55
Agriculture and industrialization 11
Agriculture in Asia and the Far East: development and outlook 68
Agriculture in Ethiopia 20
Agriculture in Nigeria: an introduction 70
Agriculture in the Altiplano of Bolivia 42
Agriculture in the Near East: development and outlook 69
Agriculture in the world economy 5
L'agriculture nomade. Vol. 1. Congo belge et Côte-d'Ivoire 102
Amino-acid content of foods and biological data on proteins 109
Animal disease and human health 9
Animal feedstuffs: regulations governing their manufacture and sale in European countries 122, 123
Animal health yearbook 13-14
Animal husbandry - feeding animals 30
Animal husbandry - introduction 30
Animal husbandry - looking after animals - how cattle reproduce 30
Animal husbandry - what cattle produce 30
Animals, livestock 2, 9, 13, 14, 15, 16, 23, 24, 25, 26, 27, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 43, 46, 47, 48, 49, 68, 73, 74, 75, 81
Annotated bibliography of rice soils and fertilizers 17, 128
Annuaire international de législation agricole: XXXIII^e-XXXV^e années, 1942-1945 122
Annual review of world production and consumption of fertilizers 62-63
Apple juice preserved exclusively by physical means 120
Application of induced sterility for control of lepidopterous populations 26
Application of science to inland fisheries 91
Approaches to international action in world trade in oilseeds, oils and fats 73

* Titles of publications are printed in roman type, subjects in italic type.

Apricot, peach and pear nectars preserved exclusively by physical means 120
Aquatic sciences & fisheries abstracts 82
Asia and the Far East 2, 21, 68, 69, 95, 97, 98, 102, 110, 111, 112, 131
Asia Pacific regional grading rules for hardwood logs other than teak 98
Asia-Pacific regional grading rules for sawn hardwood timber (nonteak) 98
Asia-Pacific regional grading rules for teak logs 97
Asia-Pacific regional grading rules for teak squares 97
Aspects of economic development: the background to freedom from hunger 10
Atlas of the living resources of the seas 89
Audio-visual aids for cooperative education and training 54
Australia 116
Austria 21

Barley (World catalogue of genetic stocks) 19, 130
Basic texts 124

Better Farming Series 29-31
Better utilization of milk 32
Bibliographies, catalogues 4, 17, 18, 21, 67, 81, 87, 128-132
Bibliography on land tenure 17, 128
Bibliography on land and water utilization and conservation in Europe 17, 128
Bibliography on the analysis and projection of demand and production 1963 81, 129
Bigger crops and better storage 7
Bolivia 42
Brazil 107
Breeding livestock adapted to unfavorable environments 31
Brucellosis 32, 33, 36, 39, 41
Burma 103

Cacao: a review of current trends in production, price and consumption 76
Cadastral surveys and records of rights in land 33
Calcium requirements: report of an FAO/WHO Expert Group 112
Calorie requirements 107, 108
Canada 18, 31, 115
Canned applesauce 118
Canned fruit and vegetable products 117
Canned grapefruit 118
Canned green beans and canned wax beans 118
Canned Pacific salmon 117
Canned peaches 118
Canned pineapple 120
Canned shrimps or prawns 120
Canned sweet corn 118
Canned tomatoes 118
Caribbean 22
Carpet wool (Fibers No. 4) 79
Cassava 49
Catalogue of FAO publications 132
Catalogue of maps. Soil map of the world 17, 128
Catalogue of names of fishes, molluscs, crustaceans of commercial importance in the Mediterranean 89, 129
Catalogue of periodicals owned by the Library, International Institute of Agriculture 131
Catalogue of publications 131, 132
Central America 43, 46, 49, 107
Cereal breeding procedures 45
Ceres 1
Child care: a handbook for village workers and leaders 105
China 34
Choice of tree species for planting 102
Citrus and dried fruit 75
Classified catalogue, Library, International Institute of Agriculture 131
Coastal aquaculture 88
Cocoa 31, 79
Cocoa 38, 56, 76, 79
Cocoa statistics 56
Coconut 40, 55, 56, 81, 117
Coconut as part of a mixed farming system 81
Coconut oil processing 55
Coconut situation 56
Codex Alimentarius Commission Series 116-121
Coffee 31
Coffee 31, 40, 76
Coir: economic characteristics, trends and problems 78
Commodities 59, 68, 69, 70-73, 74-78, 79-81
Commodity Bulletin Series 74-78
Commodity Reference Series 81
Commodity Reports 79-81
Commodity Reports. New Series 81
Commodity standards for fisheries products 91
Communal land tenure 33
Community organization for irrigation in the United States 44
Compendium of citrus statistics 81
Congo 102
Conquest of deficiency diseases 12

Conservation and management of African wildlife 98
Considerations and procedures for the successful introduction of farm mechanization 47
Consolidation of fragmented agricultural holdings 32
Contagious bovine pleuropneumonia 41
Control of livestock insect pests by sterile-male technique 24
Control of ticks on livestock 37
Cooperation for fishermen 88
Co-operative hybrid maize tests in European and Mediterranean countries 46, 47
Co-operative marketing for agricultural producers 48
Co-operative thrift, credit and marketing in economically underdeveloped countries 46
Co-operatives 21, 22, 34, 39, 44, 46, 48, 50, 51, 52, 54, 88, 92, 128
Co-operatives and land use 50
Copra processing in rural industries 50
Costs and earnings investigations of primary fishing enterprises 91
Cotton 45
Crop ecological survey in west Africa (Liberia, Ivory Coast, Ghana, Togo, Dahomey, Nigeria) 20
Crop loss assessments 20
Crop production levels and fertilizer use 16
Crops 7, 16, 20, 25, 30, 49, 55, 66, 67, 68
Current food additives legislation 122
Customary land law in Africa 123

Dahomey 20
Dairy products 74, 75, 76
Dark clay soils of tropical and subtropical regions 53
Dates: handling, processing and packing 51
Demand for food, and conditions governing food aid during development 8
Demand interrelationship between major fruits 72
Démonstration de zootechnie, Plaine des Cayes, Haïti. Rapport final 15
Denmark 33, 116
Desert Locust Project, final report 20
Desiccated coconut and dehydrated fruits and vegetables including edible fungi 117
Development and manufacture of sterilized milk concentrate 39
Development through food: a strategy for surplus utilization 9
Dextrose anhydrous 118
Dextrose monohydrate 118
Diagnosis of rinderpest 39
Diet
calcium requirements 112
calories 107, 108
maize 107
surveys 106
Dietary levels of strontium-90 and cesium-137 29
Dietary surveys: their technique and interpretation 106
Digest of plant quarantine regulations 45
Directories 14, 18, 86, 98, 100, 128, 129
Directory of forestry schools 100
Directory of wheel and crawler tractors produced throughout the world 98, 130
Directory of wheel and track-type tractors produced throughout the world 98, 129
Diseases of free-living wild animals 38
Disinfestation of fruit by irradiation 27
Disposal of agricultural surpluses 71
Disposal of radioactive wastes 28
Documentation of the FAO Regional Fisheries Councils 89-90
Dried edible fungi 120
Dried fruits 117
Dried glucose syrup 118

East African crops: an introduction to the production of field and plantation crops in Kenya, Tanzania and Uganda 20
Economic relationships between grains and rice 77
Economic role of middlemen and cooperatives in Indo-Pacific fisheries 88
Economics and statistics 56-81
Economics of filled milk: a case study 76
Edible arachis oil 119
Edible cottonseed oil 119
Edible fats and oils 116
Edible fungi and fungus products 120
Edible maize oil 119
Edible mustardseed oil 119
Edible rapeseed oil 119
Edible safflowerseed oil 119
Edible sesameseed oil 119
Edible soya bean oil 118
Edible sunflowerseed oil 119
Edible tallow 119
Education and agricultural development 11
Education and training in nutrition 9
Educational approaches to rural welfare 21
Effects of ionizing radiations on seeds 25
Effects of low doses of radiation on crop plants 25
Efficient use of fertilizers 32, 36

Eggs, poultry 15, 53, 73, 74, 81
Electrical fishing 91
Eléments de vulgarisation agricole 22
Elements of forest fire control 99
Elimination of harmful organisms from food and feed by irradiation 24
Emerging diseases of animals 38
Emploi de l'eau oxygénée pour le ramassage du lait dans des circonstances difficiles 41
Encouraging the use of protein-rich foods 104
Energy and protein requirements: report of a Joint FAO/WHO Ad Hoc Expert Group 115
Energy-yielding components of food and computation of calorie values 104
Enquiry into the problems of agricultural price stabilization and support policies 67
Environmental contamination by radioactive materials 27
Enzymological aspects of food irradiation 27
Equipment for cleaning and grading grains and seeds 43
Equipment for rice production 54
Equipment for the ginning of cotton 45
Equipment for the processing of long vegetable fibers 45
Equipment for the processing of rice 45
Equipment for the processing of tea 43
Equipment for the tanning of hides and skins 43
Essential considerations in mechanization of farming 42
Essential steps in national agricultural improvement 42
Essentials of rural welfare 34
Estimation of crop yields 66
Estudio de la educación agrícola universitaria en América Latina 37
Ethiopia 20
Eucalypts for planting 100
Europe 14, 16, 17, 32, 36, 39, 43, 46, 47, 48, 49, 69, 72, 76, 77, 87, 93, 95, 97, 100, 111, 112, 113, 122, 123, 128, 129
European breeds of cattle 39
European Common Market 72, 76
European inland water fish 87
European programs of agricultural reconstruction and development 4
European timber statistics 1913-1950 95
European timber trends and prospects 95
European timber trends and prospects: a new appraisal 1950-1975 95
Evaluation of agrarian structures and agrarian reform programs 39
Evaluation of certain food additives and of the contaminants mercury, lead and cadmium 115
Evaluation of food additives 114, 115
Evaluation of the carcinogenic hazards of food additives: fifth report of the Joint FAO/WHO Expert Committee on Food Additives 112
Evaluation of the toxicity of a number of antimicrobials and antioxidants: sixth report of the Joint FAO/WHO Expert Committee on Food Additives 112
Extension 22
Extensión rural en América Latina y el Caribe 22

Fact-finding with rural people 48
Factors affecting rice production: a summary of replies to a questionnaire of the International Rice Commission 47
Factors influencing the economical application of food irradiation 26
FAO advisory assistance to member countries under the UNRRA Transfer Fund 45
FAO Africa survey 69
FAO Agricultural Development Papers 42-55
FAO Agricultural Studies 31-42
FAO Atomic Energy Series 29
FAO catalogue of fishing gear designs 88
FAO Commodity Policy Studies 70-73
FAO commodity review 59
FAO commodity review and outlook 59
FAO Conference 124-126
FAO fisheries bulletin 82
FAO Fisheries Studies 90-92
FAO Food Additive Control Series 115-116
FAO Forestry and Forest Products Studies 99-101
FAO Forestry Development Papers 101-103
FAO Legislative Series 122-123
FAO Library select catalogue of books, 1951-1958 131
FAO Manuals in Fisheries Science 92
FAO Marketing Guides 73-74
FAO Mediterranean development project 69
FAO Nutrition Meetings Report Series 110-115
FAO Nutritional Studies 83-85
FAO official records and basic documents 124-127
FAO plant protection bulletin 13
FAO rice reports 80
FAO's role in rural welfare 21
Farm and the city 5
Farm development in Japan 52
Farm implements for arid and tropical regions 51, 55
Farm management investigations for agricultural improvement 44

Fascioliasis and the liver fluke 38
Fats 68, 73, 75, 79, 106, 116, 119
Fats and oils 75, 79
Feedstuffs 75, 122, 123
Feedstuffs - Europe 75
Fertilizer management practices for maize: results of experiments with isotopes 26
Fertilizer manufacturing projects: their planning and financing 42
Fertilizers 75, 79
Fertilizers 2, 16, 17, 26, 28, 32, 36, 39, 42, 43, 46, 47, 48, 62, 63, 67, 75, 79, 128
Fertilizers: a world report on production and consumption 62
Fertilizers: an annual review of world production, consumption and trade 63-64
Fertilizers and their use: a pocket guide for extension officers 16
Fibers 75, 79
Fibres 45, 68, 75, 76, 78, 79
Fibreboard and particle board 97
Financial assistance policies and administration for fisheries 92
Financial assistance schemes for the acquisition or improvement of fishing craft 91
First annual report of the Director-General to the second session of the Conference 126
Fish 6
farming 91
industry 91
marketing 91
preservation 26, 106
prices 91
Fish culture in central east Africa 88
Fish farming and inland fishery management in rural economy 91
Fish in nutrition 87
Fish inspection and quality control 87
Fish resources of the ocean 89
Fish: the great potential food supply 6
Fisheries 2, 3, 6, 7, 11, 82-92
dynamics 89, 129
financial assistance 91, 92
inland 87, 91
institutions 86
management 91
sampling methods 92
statistics 83-85
technology 86, 87, 88, 92, 129
Fisheries in the food economy 11
Fisheries technology literature 86, 129
Fishermen's organizations and the regulation of fish prices in Sweden 91
Fishery research and educational institutions in North and South America 86
Fishing boat tank tests 88
Fishing boats of the world 86
Fishing craft 86, 88
Fishing gear 86, 87, 88
Fishing ports and markets 87
Fishing with electricity: its applications to biology and management 87
Flaying and curing of hides and skins as a rural industry 48
Food 1-7, 8, 10, 11, 24, 25, 26, 27, 28, 40, 41, 42, 66, 104, 105, 109, 122
additives 104, 110, 111, 112, 113, 114, 115, 116
aid 4, 8, 72, 129
analysis 116-121
composition 106, 107
legislation 29, 122
production 1-3, 10, 11
programmes 4, 8, 68, 72
refrigeration 32
reserves 72
supply 3, 9, 66
surpluses 4, 9, 71, 72, 129
surveys 3, 4, 10, 108
Food additive control in Australia 116
Food additive control in Canada 115
Food additive control in Denmark 116
Food additive control in France 116
Food additive control in the Federal Republic of Germany 116
Food additive control in the Netherlands 115
Food additive control in the United Kingdom 116
Food additive control in the U.S.S.R. 116
Food aid: a selective annotated bibliography on food utilization for economic development 4, 129
Food aid and education 8
Food aid and other forms of utilization of agricultural surpluses: a review of programs, principles and consultations 72
Food and agricultural legislation 122
Food and nutrition education in the primary school 109
Food and nutrition procedures in times of disaster 109
Food balance sheets, 1964-66 average 66
Food composition tables for international use 106
Food composition tables - minerals and vitamins - for international use 107
Food crops 30
Food irradiation 25
Food supply time series 66
Foreign investment laws and agriculture 123
Forest influences 101
Forest plantation protection against diseases and insect pests 101

Forest policy, law and administration 99
Forest products 93, 94, 95, 100
Forest resources of the world 95
Forest seed directory 98, 131
Forest tree seed directory 98, 131
Forestry and forest industries 2, 11, 27, 93-103
administration 99
economics and statistics 93, 94, 95
economy 99
equipment 98, 101, 130
inventory 96, 99, 101
law 99
planting 102, 103
policy 99, 100
protection 101
research 100
resources 95, 96
schools 100
species 102
tropical 99, 100, 102, 103
Forestry abstracts coverage list 100
Forests, food and people 11
France 21, 116
Freedom from Hunger Campaign Basic Studies 9-12
Freezing and irradiation of fish 87
Fresh fungus "Chantarelle" 120
Fruit and vegetables 76
Fruit and vegetables in west Africa 21, 105
Fruit, vegetables 21, 24, 27, 72, 73, 74, 75, 76, 78, 81, 105, 116, 117, 118, 120
Fumigation 38, 40
Functions of a world food reserve: scope and limitations 71

General Fisheries Council for the Mediterranean 89-90
General principles of food hygiene 117
General report of the fourth Meeting of the European National Committees 67
General standard for edible fats and oils not covered by individual Codex standards 118
General standard for the labelling of prepackaged foods 117
Genetics of forest tree improvement 101
Germany, Federal Republic 21, 91, 116
Ghana 20
Glucose syrup 118
Governmental services to the sea-fish industry of Great Britain 91
Grain 75, 79
Grain exports by source and destination 61-62
Grain legumes in Africa 106
Grains 18, 19, 20, 26, 31, 43, 45, 46, 55, 60, 61, 62, 68, 71, 72, 75, 77, 78, 79, 106
Grass cover of Africa 37
Grasses, grasslands 33, 36, 37, 49
Grasses in agriculture 36
Grazing and forest economy 99
Groundnuts 31
Greece 67, 107
Groundwater legislation in Europe 123
Growing food for a growing world 5
Guatemala 68
Guide for planning pulp and paper enterprises 101
Guide to extension training 22
Guide to methods and procedures of rural credit surveys 52
Guide to the safe handling of radioisotopes in hydrology 25

Haiti 11
Handbook for World fisheries abstracts 85
Handbook of mutual insurance systems for commercial fishing vessels and gear 92
Handbook on data processing methods 66
Handling and storage of food grains in tropical and subtropical areas 55
Handling forest tree seed 102
Hanunóo agriculture in the Philippines 102
Hard fibers (Fibers No. 2) 79
Hemorrhagic septicemia 38
Hides and skins 43, 48, 51, 78
Histology 16
Home economics 104, 105, 111, 112
Home economics information exchange 104
Honduras 96
Horticulture in the Mediterranean area: outlook for production and trade 77
Human nutrition in tropical Africa 105
Human protein requirements and their fulfilment in practice 111
Hunger 6, 9-12
Hunger and social policy 10
Husbandry and health of the domestic buffalo 16
Hybrid maize 43, 46, 47, 50
Hybrid maize breeding and seed production 50

Illustrated glossary of rice processing machines 18, 129
Impact of food aid on donor and other food-exporting countries 8
Impact of synthetics on jute and allied fibres 78
Improvement in olive cultivation 37
Improvement of agricultural extension services in European countries 47

Improving agricultural tenancy: an FAO land tenure study 35
Improving livestock under tropical and subtropical conditions 43
Improving plant protein by nuclear techniques 26
Improving the world's grasslands 33
Increasing food production through education, research and extension 10
India 33, 71, 103
Indicative World Plan for Agricultural Development 4, 7
Indo-Pacific Fisheries Council 89
Induced mutations and plant improvement 27
Induced mutations in plants 26
Informe de la Conferencia Mundial sobre Reforma Agraria, Roma, 1966 22
Insect ecology and the sterile-male technique 27
International commodity arrangements and policies 72
International directory of agricultural engineering institutions 18, 128, 129
International directory of manufacturers of forestry instruments and hand tools 98, 130
International effects of national grain policies 71
International Plant Protection Convention 19
International Rice Commission. Reports 19
International Sugar Agreement 70
International Wheat Agreement 70
Inter-relationship between agrarian reform and agricultural development 34
Introduction and effects of high-yielding varieties of rice in the Philippines 70
Irrigation 16, 24, 44, 49, 50, 54, 55
Irrigation by sprinkling 30
Isotope and radiation techniques in soil physics and irrigation studies 24
Isotope studies on the nitrogen chain 24
Isotope studies on the physiology of domestic animals 26
Isotope techniques for studying animal protein production from non-protein nitrogen 28
Isotopes and radiation in entomology 24
Isotopes and radiation in parasitology 24, 28
Isotopes and radiation in soil organic-matter studies 24
Isotopes and radiation in soil-plant nutrition studies 25
Isotopes and radiation in soil-plant relationships including forestry 27
Isotopes in plant nutrition and physiology 24
Isotopes in weed research 25
Italy 21, 37, 45
Ivory Coast 20, 102
Japan 52, 102
Joint FAO/IAEA publications 23-29
Joint FAO/WHO Conference on Food Additives. Report 110
Joint FAO/WHO Expert Committee on Brucellosis. Reports 33, 36, 39, 41
Joint FAO/WHO Expert Committee on Meat Hygiene. Reports 34, 38
Joint FAO/WHO Expert Committee on Milk Hygiene. Reports 35, 37
Joint FAO/WHO Expert Committee on Nutrition. Reports 110, 111, 112, 114, 115
Joint FAO/WHO Expert Committee on Zoonoses. Third report 40
Joint FAO/WHO Expert Group on Zoonoses. Report on the first Session 32
Joint FAO/WHO Expert Panel on Brucellosis. Report on the first Session 32
Joint WHO/FAO Expert Committee on Zoonoses. Second report 36
Jute (Fibers No. 3) 79
Jute: a survey of market manufacturing and production 76

Keeping chickens 30
Kenya 20
Kwashiorkor in Africa 107

Laboratory training manual on the use of isotopes and radiation in animal research 23
Laboratory training manual on the use of isotopes and radiation in entomology 25
Laboratory training manual on the use of isotopes and radiation in soil-plant relations research 25
Laboratory training manual on the use of radionuclides and radiation in animal research 26
Lactose 118
Land
consolidation 11, 32, 123
reform 2, 34, 37
surveys 16, 33
tenure 11, 17, 33, 34, 35, 128
utilization 17, 31, 44, 50, 128
Land and water resources survey in the Jebel Marra area, the Sudan: final report 16
Land classification for agricultural development 44
Land reform in Italy: achievements and perspectives 37
Land settlement for agriculture 43
Land utilization in tropical areas 44

Lard 119
Latin America 2, 17, 22, 37, 46, 48, 49, 51, 68, 86, 95, 96, 97, 103, 110, 111, 112
Latin American timber trends and prospects 95
Learning better nutrition: a second study of approaches and techniques 108
Legislation 122-123
agriculture 122
animal feedstuffs 122, 123
fertilizers 48
food 29, 122
food additives 122
forestry 99
investment 123
land 123
milk 49
tenancy 123
territorial sea 123
water 42, 45, 47, 49, 123
Legislation of fertilizers in Latin America 48
Legumes 20, 33, 106, 108
Legumes in agriculture 33
Legumes in human nutrition 108
Las leyes de aguas en Sudamérica 49
Liberia 20
Limiting steps in ion uptake by plants from soil 25
Linking of food aid with other aid 8
List of plant breeders in Canada and the United States of America 18
Lives in peril: protein and the child 7
Livestock and meat 74, 75
Log saw catalogue 98, 130
Long-term contract 71

Madagascar 105
Maize and maize diets: a nutritional survey 107
Malnutrition and disease: a major problem of the human race 10
Man and hunger 6
Man made lakes: planning and development 88
Manual de prácticas cooperativas para el agro de América Latina 51
Manual of field studies on the heat tolerance of domestic animals 47
Manual of fisheries science 92
Manual of fishermen's cooperatives 92
Manual of fumigation for insect control 38, 40
Manual of methods for fisheries resource survey and appraisal. Part 2. The use of acoustic instruments for fish detection and abundance estimation 92
Manual of methods in fisheries biology 92
Manual of sampling and statistical methods for fisheries biology. Part 1. Sampling methods 92
Manual of supervised agricultural credit in Latin America 48
Manual on food and nutrition policy 109
Manual on household food consumption surveys 108
Manual on mutation breeding 28
Manual on the use of FAO specifications for plant protection products 55
Manual para organización de cursillos sobre gerencia de cooperativas agrícolas 54
Maps 17, 89, 128
Marine pollution and sea life 88
Market gardening 30
Marketing 3, 7, 9, 46, 48, 73-74, 91
Marketing: a dynamic force in agricultural development 7
Marketing eggs and poultry 73
Marketing fruit and vegetables 73
Marketing: its role in increasing productivity 9
Marketing livestock and meat 73
Marketing problems and improvement programs 73
Means of adjustment of dairy supply and demand 77
Meat 51, 73, 74, 75, 81
hygiene 34, 35, 38
marketing 73
Meat and livestock 81
Meat handling in underdeveloped countries: slaughter and preservation 51
Meat hygiene 35
Mechanization of small fishing craft 86
Mercury contamination in man and his environment 26
Methods and machines for tile and other tube drainage 52
Methods of Analysis 116
Methods of collecting current agricultural statistics 66
Methods of farm management investigations 50
Methods of farm management investigations for improving farm productivity 53
Methods of radiochemical analysis 29
Methods of weed control 35
Microbiological problems in food preservation by irradiation 24
Microbiological specifications and testing methods for irradiated food 28
Milk and milk products 14, 25, 32, 33, 35, 37, 38, 39, 41, 42, 49, 71, 74, 75, 76, 77, 108, 109, 117

Milk and milk products in human nutrition 108, 109
Milk hygiene 14
Milk pasteurization: planning, plant operation and control 33
Milk plant layout 38
Milk sterilization 38
Millions still go hungry 5
Mineral nutrition of livestock 16
Mineral studies with isotopes in domestic animals 27
Modern fishing gear of the world 86, 87
Monthly bulletin of agricultural economics and statistics 56
Monthly bulletin of food and agricultural statistics 56
Multifarm use of agricultural machinery 54
Multilingual vocabulary and notation for fisheries dynamics 89, 129
Multilingual vocabulary of soil science 17, 128
Mutation breeding for disease resistance 27
Mutations in plant breeding 25, 26

National dairy policies in advanced countries 71
National development efforts 10
National food reserve policies in underdeveloped countries 71
National forest policies in Europe 100
National grain policies 60
National progress in food and agricultural programs, 1948 4
National rice policies 1966, 1970 72, 73
Natural and man-made fibers: a review 76
Near East 47, 69, 97, 112
Netherlands 115
Neutron irradiation of seeds 24, 26, 27
New approach to agricultural credit 52
New approaches to breeding for improved plant protein 23
Nicaragua 67
Nigeria 20, 70
Nitrogen-15 in soil-plant studies 27
Nonprotein nitrogen in the nutrition of ruminants 40
Notes for Students of Animal Husbandry 15, 16
Nuclear techniques for improved food production 11
Nuclear techniques for studying pesticide residue problems 28
Nutrition 2, 6, 7, 9, 104-121
child 107, 112
education 9, 105, 107, 108, 109, 111, 112
livestock 31, 40, 48
tropical 105, 111
Nutrition and society 6
Nutrition and working efficiency 9
Nutrition Conference 110
Nutrition et alimentation tropicales 111
Nutrition in relation to agricultural production 105
Nutrition problems of rice-eating countries in Asia 110
Nutrition work in Greece 107
Nutritional deficiencies in livestock 31

Observations on the goat 40
Observations on the proposed International Sugar Agreement 71
Official records 124-127
Oil palm 31
Oils 55, 67, 68, 73, 75, 79, 116, 118
olive oil, olives 37, 49, 71, 79
Olive oil processing in rural mills 49
Olive oil, virgin and refined, and for refined olive-residue oil 119
Operational and administrative problems of food aid 8
Orange, grapefruit and lemon juices preserved exclusively by physical means 120
Organization and activities of 4-H Clubs in the United States 21
Organization of agricultural research in Europe 46
Organization of surveys for radionuclides in food and agriculture 29
Our foods: a handbook for educationists in west Africa 105
Owner-cultivator in a progressive agriculture 35
Oxford system of decimal classification for forestry 99

Pakistan 33, 103
Pastures and fodder crops in rotations in Mediterranean agriculture 49
Payment for milk on quality 42
Per caput fiber consumption levels 75, 76
Per caput fiber consumption levels 1948/1958 76
Pescadores y el tiempo 88
Pesticide residues 117, 120
Pesticide residues in food 40, 41, 42
Pests of the coconut palm 40
Philippines 70, 102, 107
Pig breeding, recording and progeny testing in European countries 36
Pinus radiata 101
Planning a forest inventory 101
Planning a national forest inventory 99

Planning and evaluation of applied nutrition programmes 109
Planning, building and equipping home economics centers 105
Plant exploration, collection and introduction 36
Plant nutrient supply and movement 25
Plant - the flower 30
Plant - the leaf 30
Plant - the root 30
Plant - the stem 30
Plantations and other centrally-operated estates 34
Plants 18, 19, 23, 24, 25, 26, 27, 29, 30, 35
breeders 18
protection 13, 19, 55
quarantine 45
Plywood and other wood-based panels 98
Poland 67
Pollution 3, 7, 88
Pollution: an international problem for fisheries 7
Poplars in forestry and land use 100
Population and food supply 9
Possibilities for the development of the pulp and paper industry in Latin America 96
Possibilities of increasing world food production 10
Poultry and eggs 74, 81
Poultry feeding in tropical and subtropical countries 53
Poultry husbandry I, II 15
Poultry keeping in tropical areas 15
Pour mieux se nourrir 105
Powdered dextrose (icing dextrose) 121
Powdered sugar (icing sugar) 117
Practical parasitology: general laboratory techniques and parasitic protozoa 15
Practical parasitology: general laboratory techniques and parasitic protozoa. Instructor's guide 15
Practical parasitology: general laboratory techniques and parasitic protozoa. Laboratory cards 15
Prácticas de plantación forestal en América Latina 103
Premier jus 119
Preservation of fish by irradiation 26
Preservation of fruits and vegetables by radiation 24
Preservation of grains in storage 31
Prices 67, 70
Principles of food packaging: an international guide 23
Principles of land consolidation legislation 123
Principles of land tenancy legislation 123
Principles of milk legislation and control 49
Principles of tenancy legislation 123
Problems of animal feeding in Europe 48
Problems of food and agricultural expansion in the Far East 69
Problems of food and agricultural expansion in the Near East 69
Procedures for the testing of intentional food food additives to establish their safety for use: second report of the Joint FAO/WHO Expert Committee on Food Additives 111
Proceedings of the sixth World Forestry Congress, Madrid, 1966 96
Processed fruit and vegetables: trends in world production and trade of citrus products, canned peaches and apricots and tomato products 78
Processed fruits and vegetables 116
Processed tropical fruit 78
Processing and utilization of animal by-products 52
Processing of cassava and cassava products in rural industries 49
Processing of raw cocoa for the market 38
Production and Trade yearbooks 56-58
Production yearbook 56-58
Program for the 1950 World Census of Agriculture 64
Program for the 1960 World Census of Agriculture 64
Progress and economic problems in farm mechanization 68
Projet de planification rurale intégrée de la région centrale, Tunisie. Rapport final 70
Proposals for a World Food Board 3
Proposals for a World Food Board and world food survey 3
Prospects for agricultural development in Latin America 68
Protein: at the heart of the world food problem 6
Protein malnutrition in Brazil 107
Protein malnutrition: Proceedings of a conference in Jamaica (1953) 110
Protein requirements 108, 113
Provisional Indicative World Plan for Agricultural Development 4
Public lands: an FAO land tenure study 34
Pulp and paper 93, 94, 96, 97, 99, 101
Pulp and paper development in Africa and the Near East 97
Pulp and paper prospects in Asia and the Far East 97
Pulp and paper prospects in Latin America 96

Pulp and paper prospects in Latin America: present situation and future trends of demand, production and trade 97
Pulp and paper prospects in western Europe 97

Quality of statistical data 66
Quick frozen fillets of cod and haddock 120
Quick frozen fillets of ocean perch 121
Quick frozen gutted Pacific salmon 120
Quick frozen peas 120
Quick frozen strawberries 121

Radiation and radioisotopes applied to insects of agricultural importance 28
Radiation, radioisotopes and rearing methods in the control of insect pests 28
Radioactive materials in food and agriculture 29
Radioisotopes and radiation in dairy science and technology 25
Radioisotopes in animal nutrition and physiology 25
Radioisotopes in soil-plant nutrition studies 25
Radiotracer studies of chemical residues in food and agriculture 26
Radurization of scampi, shrimp and cod 26
Raw materials for more paper: pulping processes and procedures recommended for testing 99
Recent developments affecting livestock production in the Americas 49
Recommended International Codes of Hygienic Practice 117
Recommended international standard procedures for thawing of quick-frozen fruits and vegetables and cooking of quick-frozen vegetables for examination purposes 116
Recommended International Standards 117-121
Recommended international standards for cheeses and government acceptances 117
Recommended international tolerances for pesticide residues. Third series 120
Reconsideration of the economics of the International Wheat Agreement 70
Regional standard for honey 118
Rendered pork fat 119
Report of an international seminar on education in health and nutrition 111
Report of Technical Meeting on Cooperatives in Asia and the Far East 21
Report of the European Seminar on Evaluation of Home Economics Extension Programs 112
Report of the FAO Fisheries Mission for Thailand 86
Report of the FAO Mission for Greece 67
Report of the FAO Mission for Nicaragua 67
Report of the FAO Mission for Poland 67
Report of the FAO Mission for Siam 67
Report of the FAO Nutrition Meeting for Europe 111
Report of the FAO Oilseed Mission for Venezuela 67
Report of the FAO Preparatory Commission on World Food Proposals 3
Report of the FAO/UNICEF Regional School Feeding Seminar for Asia and the Far East 112
Report of the FAO/WHO Seminar on Problems of Food and Nutrition in Africa South of the Sahara 112
Report of the fifth Meeting of the International Rice Commission's Working Party on Rice Breeding 48
Report of the first Meeting of the International Rice Commission's Working Party on Fertilizers 43
Report of the fourth Conference on Nutrition Problems in Latin America 111
Report of the fourth Inter-African Conference on Food and Nutrition 113
Report of the fourth Meeting of the International Rice Commission's Working Party on Fertilizers 48
Report of the fourth Meeting of the International Rice Commission's Working Party on Rice Breeding 47
Report of the fourth Regional Conference for Latin America 68
Report of the fourth Session of the FAO Group on Grains to the Committee on Commodity Problems 68
Report of the Inter-American Meeting on Livestock Production 43
Report of the Joint FAO/WHO Expert Committee on Food Additives 111
Report of the Joint FAO/WHO Technical Meeting on Methods of Planning and Evaluation in Applied Nutrition Programs 113
Report of the Joint Symposium on Industrial Feeding and Canteen Management in Europe 113
Report of the Meeting of Experts on the Mechanization of Rice Production and Processing, Paramaribo, Surinam, 1971 23
Report of the Meeting on Fertilizer Production, Distribution and Utilization in Latin America 46
Report of the Nutrition Committee for the Middle East 112

Report of the Nutrition Committee, Rangoon, 1950 110
Report of the Regional Seminar on School Feeding in South America 112
Report of the Rice Meeting 19
Report of the second Conference on Nutrition Problems in Latin America 110
Report of the second Inter-American Meeting on Livestock Production 46
Report of the second Joint FAO/WHO Conference on Food Additives 113
Report of the second Meeting of the International Rice Commission's Working Party on Fertilizers 47
Report of the second Meeting of the International Rice Commission's Working Party on Rice Breeding 44
Report of the Second World Food Congress 5, 6
Report of the Special Rice Meeting held in Bangkok, 5-16 January 1953 19
Report of the Special Technical Meeting on the Economic Aspects of the Rice Industry 67
Report of the Symposium on Education and Training in Nutrition in Europe 112
Report of the Technical Meeting on Home Economics for South and East Asia 111
Report of the Technical Meeting on Nutrition in Food Policy and Planning in Asia and the Far East 112
Report of the third Conference on Nutrition Problems in Latin America 110
Report of the third Conference on Wood Technology 102
Report of the third Meeting of the International Rice Commission's Working Party on Fertilizers 47
Report of the third Meeting of the International Rice Commission's Working Party on Rice Breeding 46
Report of the third Regional Conference for Asia and the Far East 69
Report of the third Regional Meeting of Food and Agricultural Programs and Outlook in Latin America 68
Report of the third session of the FAO Group on Grains to the Committee on Commodity Problems 68
Report of the third Special Meeting on the Economic Aspects of the Rice Industry 67
Report of the Working Party on Crop and Livestock Insurance 68
Report of the World Food Congress 5
Report on the 1950 World Census of Agriculture. Vol. I. Census results by countries 64
Report on the 1950 World Census of Agriculture. Vol. 2. Census methodology 64
Report on the 1960 World Census of Agriculture. Vol. 1, Part A. Census results by countries 65
Report on the 1960 World Census of Agriculture. Vol. 1, Part B. Census results by countries 65
Report on the 1960 World Census of Agriculture. Vol. 1, Part C. Census results by countries 65
Report on the 1960 World Census of Agriculture. Vol. 2. Programme, concepts and scope 65
Report on the 1960 World Census of Agriculture. Vol. 3. Methodology 65
Report on the 1960 World Census of Agriculture. Vol. 4. Processing and tabulation 65
Report on the 1960 World Census of Agriculture. Vol. 5. Analysis and international comparisons of census results 65
Report on the World Food Program by the Executive Director 4
Reports of FAO Conference 124-126
Reports of the Director-General to the Conference 126-127
Reports of the Nutrition Committee for South and East Asia 110, 111
Reports on the meetings of experts and the European National Committees 67
Requirements of ascorbic acid, vitamin D, vitamin B_{12}, folate and iron 114
Requirements of vitamin A, thiamine, riboflavine and niacin: report of a Joint FAO/WHO Expert Group 113
Research in forestry and forest products 100
Resolutions adopted by the FAO Conference at its eleventh session in November 1961 125
Resolutions adopted by the FAO Conference at its twelfth session, 1963 126
Response of rice to fertilizer 39
Results of co-operative hybrid maize tests in Europe, 1949: a progress report 43
Review of cheese production, consumption and trade in some developed countries 77
Rice 18, 74, 75, 79
Rice 2, 6, 17, 18, 19, 23, 24, 27, 28, 31, 39, 44, 45, 46, 47, 48, 49, 54, 67, 70, 71, 72, 74, 75, 77, 78, 79, 80, 81, 106, 107, 129, 130
Rice and rice diets 106
Rice breeding with induced mutations 24, 27, 28
Rice enrichment in the Philippines 107
Rice fertilization 28
Rice: grain of life 6
Rice marketing 74
Rice milling in developing countries 78

Rice trade glossary 19, 129
Rice (World catalogue of genetic stocks) 18
Rinderpest 32, 39
Rinderpest vaccines 32
Role of multilateral food aid programs 8
Rural problems in the alpine region: an international study 21
Rural sociology in action 52
Rural tanning techniques 51
Rural welfare 21, 34, 48

Salted cod and related species 90
Sampling methods and censuses 66
Sampling plans for prepackaged foods 1969 116
School feeding, its contribution to child nutrition 107
Sea-fish marketing in the Federal Republic of Germany 91
Second annual report of the Director-General to the third session of the Conference 126
Second report of the Joint FAO/WHO Expert Committee on Meat Hygiene 38
Second world food survey 3
Seeds
agricultural 24, 25, 26, 27, 37, 43, 50, 55
forest 98, 102, 131
Select bibliography on co-operation 21, 128
Selected problems of production and trade in the Near East 69
Sheep breeds of the Mediterranean 16
Shfting cultivation 102, 103
Shifting cultivation in Latin America 103
Short guide to fish preservation 106
Silk (Fibers No. 5) 79
Sindrome policarencial infantil (kwashiorkor) and its prevention in Central America 107
Six billions to feed 6
Small farm implements 46
Smaller farmlands can yield more 7
So bold an aim 5
Social welfare in rural communities 21
Soft sugars 117
Soil conservation: an international study 31
Soil - conserving the soil - improving the soil 30
Soil erosion by water: some measures for its control on cultivated lands 53
Soil erosion by wind and measures for its control on agricultural lands 51
Soil - how the soil is made up 30
Soil - man and the soil 30
Soil map of Europe 17
Soil map of the world. Vol. 4. South America 17
Soil-moisture and irrigation studies 24
Soil surveys for land development 33
Soil - the living soil - working the soil 30
Soil - working the soil (continued) 30
Soils 17, 23, 24, 25, 27, 30, 31, 33, 51, 53, 128
Some aspects of food refrigeration and freezing 32
Some aspects of surface water development in arid regions 44
Some important animal diseases in Europe 32
Spare-time production for gain: a manual for the guidance of organizers 22
Special dietary foods with low sodium content (including salt substitutes) 121
Special Studies Program 72
Specifications for identity and purity of food additives. Vol. 1. Antimicrobial preservatives and antioxidants. Vol. 2. Food colors 104
Specifications for the identity and purity of food additives and their toxicological evaluation 113, 114
Spices: trends in world markets 76
Sprinkler irrigation 54
Stabilization of international trade in grains 72
Stabilization of the international trade in rice: a report on possible measures 71
Stabilization of the olive oil market 71
Stabilization of world trade in coarse grains: a consideration of the underlying economic issues 72
Standard nomenclature of the exportable timbers of the Asia-Pacific region 98, 131
State of food and agriculture 1-3
State of world fisheries 7
Statistics of crop responses to fertilizers 67
Sterile-male technique for control of fruit flies 28
Sterile-male technique for eradication or control of harmful insects 27
Sterility principle for insect control or eradication 27
Storage 3, 7, 31
Storing and drying grain, in Canada, in the United States, in the United Kingdom 31
Strategy for plenty: the Indicative World Plan for Agricultural Development 7
Succesful irrigation: planning, development, management 16
Sudan 16
Sugar 74, 75, 76, 80, 116, 117, 118
Sugars 116

Supplement to Bibliography on land tenure 1959 17, 128
Surface irrigation 55
Survey of export markets for sorghum 78
Survey of national measures for controlling farm prices in western European countries 70
Survey of oils and fats in Guatemala 68
Survey of pine forests, Honduras: final report 96
Sweden 91
Switzerland 21
Synthetic fats 106
Synthetics and their effects on agricultural trade 2, 77

Tabulated information on tropical and subtropical grain legumes 20
Tanzania 20
Tea 81
Tea 43, 76, 81
Tea: trends and prospects 76
Teaching better nutrition 107
Technical basis for legislation on irradiated food 29
Technical conversion factors for agricultural commodities 66
Technical Meeting on Co-operatives in the Caribbean 21
Technology of fish utilization 87
Thailand 67, 86
Third World Food Survey 4, 10
Ticks 37
Tillage and seeding practices and machines for crop production in semiarid areas 55
Timber 11, 93, 95, 96, 97, 98, 131
grading 97, 98
Timber bulletin for Europe 93
Timber statistics for Europe 93
Timber trends and prospects in Africa 96
Timber trends and prospects in the Asia-Pacific region 95
Tobacco 75
Togo 20
Tomato juice preserved exclusively by physical means 120
Toward a strategy for agricultural development 11
Trace mineral studies with isotopes in domestic animals 27
Tracer studies on non-protein nitrogen for ruminants 26
Tractors for logging 101
Trade in agricultural commodities in the United Nations Development Decade 59
Trade yearbook 56-58
Training and extension in the co-operative movement 52
Training facilities for co-operative personnel in African countries 22
Training manual on food irradiation technology and techniques 28
Training rural leaders 34
Tree planting practices for arid areas 102
Tree planting practices for arid zones 103
Tree planting practices in African savannas 103
Tree planting practices in temperate Asia: Burma, India, Pakistan 103
Tree planting practices in temperate Asia: Japan 102
Tree planting practices in tropical Africa 102
Tree planting practices in tropical Asia 102
Tree seed notes. 1. Arid areas. 2. Humid tropics 102
Trends and forces of world sugar consumption 76
Trichomonas foetus infection of cattle 34
Trilingual dictionary of fisheries technological terms: curing 89, 129
Tropical silviculture 100
Tropical woods and agricultural residues as sources of pulp: a symposium 99
La tuberculosis animal en las Américas y transmisión al hombre 14
Tunisia 70
Tyoes and breeds of African cattle 35

Uganda 20
Unasylva 93
United Kingdom 31, 91, 115
United States 18, 21, 31, 42, 44, 46, 49, 86
Upland rice 31
Use of aircraft in agriculture 55
Use of induced mutations in plant breeding 23
Use of isotopes in soil-organic matter studies 23
Use of the revolving capital plan by co-operative associations 44
Uses of agricultural surpluses to finance economic development in underdeveloped countries: a pilot study in India 71
Using salty land 31
U.S.S.R. 116

Vegetables and fruits 74
Venezuela 67
Vibrio fetus infection of cattle 34, 37

Visual aids in nutrition education: a guide to their preparation and use 105
Vocabularies, glossaries, bibliographies, catalogues 4, 17, 18, 19, 81, 87, 88, 89, 98

Water laws in Italy 45
Water laws in Moslem countries 47
Water laws in the United States of America 42
Water-lifting devices for irrigation 49
Way to work - the living plant 29
Weather and food 9
Weed control by growth-regulating substances 32
Wet paddy or swamp rice 31
Wheat 74
Wheat in human nutrition 109
Wheat (World catalogue of genetic stocks) 18, 130
White sugar 117
Wildlife 11, 38, 98
Wood 11, 93, 95, 96, 98, 102
Wood: world trends and prospects 11
Wool (Fibers No. 1) 79
Work of FAO 126-127
World agriculture: the last quarter century 7
World animal review 13
World banana economy 78
World catalogue of genetic stocks 18, 19, 130
World Census of Agriculture 64, 65
World cocoa survey 38
World coffee economy 76
World coffee survey 40
World crop harvest calendar 67
World crop statistics: area, production and yield 1948-64 66
World dairy economy in figures 81
World demand for paper to 1975 97
World directory of veterinary schools 1964 14, 129
World festival of trees 101
World fiber survey 68
World fibers review 75
World fisheries abstracts 82
World Food Board 3
World Food Congress 5, 6
World Food Problems 6-7
World Food Programme 4, 8
World Food Program Studies 8
World food situation 1-12
World food survey 3
World forest inventory 1958 96
World forest inventory 1963 96
World forest products statistics 1946-1955: a ten-year summary 95
World forest products statistics 1954-1963: a ten-year summary 95
World forest resources 95
World Forestry Congress, Madrid 96
World grain trade statistics 61-62
World hide, skins, leather and footwear economy 78
World list of plant breeders 18
World meat economy 77
World pulp and paper resources and prospects 96
World rice economy. Vol. 1. Selected papers. Vol. 2. Trends and forces 77
World rice economy in figures 1909-1963 81
World sugar economy in figures 1880-1959 81
World wine and vine products economy 77
World's coffee 68

Yearbook of fishery statistics 83-85
Yearbook of food and agricultural statistics 56-57
Yearbook of forest products 94
Yearbook of forest products statistics 93-94

Zebu cattle of India and Pakistan 33
Zoonoses 32, 34, 36, 40

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